

Pracheer Srivastava

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Education

VIT Bhopal University

2023–2027

B.Tech Computer Science & Engineering (Cyber Security & Digital Forensics) | CGPA 8.54

Bhopal, India

Relevant coursework: Data Structures & Algorithms · Database Management Systems · Operating Systems · Computer Networks · Software Engineering · Software Vulnerability Testing · Ethical Hacking · Foundations of Data Science · Applied Linear Algebra · Probability, Statistics & Reliability · AWS Cloud Practitioner & Solution Architect

Bright Career School, Purnea

2023

Class XII, CBSE | 74.2%

Chinmaya International Residential School, Coimbatore

2021

Class X, CBSE | 96.2% · Perfect 100/100 in Mathematics

Experience

Dynamatix Services Pvt. Ltd. (formerly Transition Computing India)

Hyderabad, India

Junior Intern

July 2025 – June 2026

- Engineered a scalable **Cypress + TypeScript** end-to-end test automation framework for a production fintech web platform across QA and UAT environments.
- Spearheaded **Page Object Model** coverage for core product modules — commitments workflows, affordability dashboards, and information requests — expanding smoke and regression suites.
- Automated release feedback with custom **Node.js** HTML test-report pipelines, giving stakeholders clear sprint readiness signals.
- Hardened large E2E suites with robust selectors, session recovery, API fixtures, and environment-aware configuration to keep release gates reliable.

Dynamatix Analytics Pvt. Ltd.

Hyderabad, India

Software Development Intern

May 2025 – June 2025

- Owned **UAT/QA** and API validation with **Postman**, tracking defects in **Azure DevOps** across backend services built with **Node.js**, **TypeScript**, and **MongoDB**.
- Validated REST endpoints, reproduced production issues, and collaborated with engineers through full **SDLC** and **Agile** sprint workflows before release.

Projects

Veil Android

April 2026 – Present

Flutter · ExoPlayer · Riverpod · Oracle Cloud (OCI)

- Lead mobile engineer (109 commits) on a production **Flutter** Android client integrating TMDB metadata with **REST APIs** to an OMSS v1.0 resolver on **Oracle Cloud (OCI)**.
- Built adaptive phone/tablet/TV UI, ExoPlayer HLS/DASH playback, Hive persistence, and shipped **50+** signed CI/CD releases via GitHub Actions.
- [GitHub](#)

SPARTA — AI Security Automation

February 2025

ML / Cybersecurity · scikit-learn · Flask · Chrome Extension

- Engineered an automated AI security pipeline: feature extraction → trained **scikit-learn** classifier → **Flask REST API** inference engine → Chrome/Edge extension for real-time phishing URL detection (**95%** detection accuracy).
- Delivered on-page scanning plus on-demand URL verification, surfacing instant safe/suspicious alerts to end users.
- [GitHub](#)

Deep Q-Learning Intrusion Detection System

January 2025 – April 2025

Reinforcement Learning / Network Security · Keras · NSL-KDD

- Built a Deep Q-Learning IDS on the **NSL-KDD** dataset classifying traffic into 5 classes (Normal, DoS, Probe, U2R, R2L) using a **Keras** Q-network (41→128→64→5).
- Implemented epsilon-greedy exploration, experience replay (buffer 2000), and training over 100k+ samples with a custom +1/-1 reward scheme.
- [GitHub](#)

NutriAtlas — HealthTech Analytics Dashboard

April 2026

Next.js 15 · Recharts · MapLibre · Docker · GCP Cloud Run

- Solo-built a nutrition health dashboard with meal logging, health scoring, **Recharts** trend widgets, and a MapLibre/OpenFreeMap map of healthy spots (dark/light theme, Framer Motion).
- Containerized with Docker (Next.js standalone output) and designed an Artifact Registry + Cloud Build pipeline targeting **GCP Cloud Run** (asia-south1).
- [GitHub](#)

CHEM•VIZ — Data Visualization Platform

February 2026

Django REST · React · Pandas · FOSSEE (IIT Bombay)

- Solo-built a hybrid analytics platform: **Django REST API** + **Pandas/PostgreSQL** backend on Render serving a **React** web app and PyQt5 desktop client from one shared API.
- Designed CSV ingestion, token auth, KPI dashboards (Chart.js/Matplotlib), dataset history (last 5), and PDF export; shipped Windows desktop **.exe** via GitHub Releases (tag-triggered PyInstaller CI).
- [Live demo](#) | [API](#) | [GitHub](#)

Relic — Learning Platform

January 2026 – May 2026

Next.js 14 · TypeScript · Express · MongoDB · Stripe

- Solo full-stack build: Coursera-style platform with **Next.js 14** course grid/carousels, JWT auth, cart + **Stripe** checkout, custom YouTube player with lesson progress, and role-based admin dashboard.
- Built **Express** + **MongoDB Atlas** REST APIs on Vercel; seeded 6 courses / 174 lessons with reviews/ratings and dark-mode UI.
- [Live demo](#) | [GitHub](#)

Bitcoin Signet Observability

March 2026

DevOps / SRE · Azure · Grafana · Ansible · Loki

- Solo-built production observability on an **Azure VM**: Grafana Alloy → Loki → Grafana (14-panel dashboard, 12 LogQL recording rules, 5 Telegram alert rules).
- Provisioned reproducible IaC via **Ansible** (3 roles) + Docker Compose; hardened with dual firewall (**Azure NSG** + UFW), localhost-bound RPC/Loki, and systemd security controls.
- [GitHub](#)

Technical Skills

Languages: JavaScript · TypeScript · Python · Java

Core Frameworks: React · Next.js · Node.js / Express · Django REST Framework · Flask · Flutter / Riverpod · Cypress · Spring Boot (introductory) · Tailwind CSS · scikit-learn · Keras / TensorFlow · Pandas · Recharts

Databases: PostgreSQL · MongoDB · SQLite

DevOps / Cloud Infrastructure: Docker · Ansible · Git · CI/CD (GitHub Actions, Cloud Build) · Azure · AWS · GCP · Oracle OCI · Grafana / Loki · Azure DevOps

Security Analytics: Phishing Detection · Intrusion Detection (Deep Q-Learning) · Network Security · Threat Analysis · Feature Engineering · Postman API Validation · Wireshark

Leadership & Extra-Curricular

Hostel Representative, Boys Hostel Block 1 (VIT Bhopal)

Aug 2024 – Jun 2025

- Managed operations, conflict resolution, and logistics for a student community of **3,500+** individuals across multiple batches.
- Oversaw discipline, mess, hostel sports, and floor management with a structured council team.

Core Member, NSS VIT Bhopal

Jan 2024 – Present

- Coordinated community initiatives including the Mega Plantation Drive and Nukkad Natak; volunteered at 5th Convocation (**2,000+** attendees) and Winterfest 2024.

Design Team Member — ELA & FinTech Club (VIT Bhopal)

- Supported event promotions and branding for institute club activities.

Certifications & Achievements

Certifications & Professional Development

- Cognizant Digital Nurture 5.0 — Java Full Stack Engineering (React): Design Patterns, DSA, Spring Boot, Spring Data JPA, Hibernate, REST APIs, Microservices, SonarQube, React, DevOps, Docker, Cloud & GenAI fundamentals — 2026
- Blockchain and its Applications — NPTEL — May 2025
- Goldman Sachs Software Engineering Job Simulation (Cybersecurity) — Forage — May 2024
- Python Essentials — Vityarthi — April 2024
- Fundamentals of AI and ML — Vityarthi — December 2023
- MATLAB Coding — MathWorks — August 2023
- AWS Cloud Practitioner & AWS Solution Architect — VIT coursework (Grade: A)

Scholastic Achievements

- Secured **2nd** position (school level) in the International Mathematics Olympiad (IMO) 2019.
- Secured **3rd** position (school level) in the National Science Olympiad (NSO) 2019.
- Achieved a perfect **100/100** in Mathematics in Class X CBSE Board Exams.