

# VIPINA P

Full-Stack Developer · Python · Django · React.js · AWS · Docker · PostgreSQL · CI/CD

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Immediate Joiner · Open to Relocation

## PROFESSIONAL SUMMARY

Full-Stack Developer with 3+ years of experience in backend development, REST API design, cloud deployment, and Linux system administration. Built and deployed EduVibe — a live production web application on AWS used daily by real teachers and students — covering the full SDLC from system design to CI/CD. Hands-on with Python, Django, React.js, PostgreSQL, Docker, and AWS. Strong foundation in OOP, database design, authentication systems, and agile delivery.

## TECHNICAL SKILLS

|                  |  |
|------------------|--|
| <b>Languages</b> | Python, JavaScript (ES6+), C, C++, Java, HTML5, CSS3, Bash / Shell Scripting                     |
| <b>Backend</b>   | Django, Django REST Framework (DRF), Django Channels, WebSockets, REST APIs, OOP, MVC            |
| <b>Frontend</b>  | React.js, Vite, Tailwind CSS, Framer Motion, React Router  |
| <b>Database</b>  | PostgreSQL, AWS RDS, Django ORM, Normalised Schema Design  |
| <b>Cloud</b>     | AWS EC2, S3, RDS, IAM — hands-on deployment of live production app on AWS Free Tier              |
| <b>DevOps</b>    | Docker, Docker Compose (working knowledge), CI/CD via GitHub Actions, Nginx, Git, Linux, Ansible |
| <b>Auth</b>      | Google OAuth 2.0, JWT, RBAC, OTP Email Auth (Brevo API), CORS, SSL/TLS, Postman                  |
| <b>Sysadmin</b>  | Linux/Windows lab administration, SSH scripting, network-based batch deployment & automation     |
| <b>Concepts</b>  | System Design, REST API Design, Agile, SDLC, Microservices (awareness), Postman                  |

## LIVE PROJECT

### EduVibe — Tuition Management Platform

2025 – Present

[eduvibe.ddns.net](https://eduvibe.ddns.net) | [github.com/vipina04/EduVibe](https://github.com/vipina04/EduVibe) | Python · Django · React.js · PostgreSQL · AWS · Docker · CI/CD

- ▶ Live on AWS EC2 (Ubuntu) + RDS + S3 — used daily by real teachers and students for attendance, tests, doubts, fee management, and analytics; zero downtime since launch.
- ▶ Owned full product end-to-end: system design, normalised PostgreSQL schema, 15+ REST API endpoints, real-time WebSocket notifications (Django Channels), 3 role-based dashboards with RBAC.
- ▶ Complete auth system — OTP email verification (Brevo API), Google OAuth 2.0, JWT tokens. Containerised with Docker; automated deployment via GitHub Actions CI/CD pipeline.

## PROFESSIONAL EXPERIENCE

### Full-Stack Developer & DevOps Engineer | EduVibe (Freelance)

2025 – Present

- ▶ Delivered complete production full-stack platform independently — designed, built, deployed, and actively maintaining on AWS Cloud with zero downtime.
- ▶ Set up GitHub Actions CI/CD pipeline for automated testing and deployment; containerised entire stack with Docker and Docker Compose.

### Technical Assistant | NIT Calicut (NITC)

Aug 2022 – Jun 2025

- ▶ Administered large-scale networked computer lab infrastructure — Linux & Windows system administration, hardware/software troubleshooting, server operations, network configuration.
- ▶ Implemented network-based automation using SSH scripting and centralized administration to handle provisioning, package installation, configuration management, and maintenance across multiple lab systems from a control node reducing manual effort (aligned with Ansible/Power Shell)
- ▶ Administered Koha ILS — live production library management system — development and maintenance of library website, database operations, cataloguing, circulation, and digital resource management.

### Python Django Developer | Futura Labs (Intern)

Dec 2021 – Mar 2022

- ▶ Built foundation in Python, Django, REST APIs, OOP, ORM, and MVC — skills directly applied in all subsequent roles.

## EDUCATION

Bachelor of Computer Applications (BCA)

St. Xavier's College, Calicut | University of Calicut

2015 – 2018