

PRUDHVI AKULA

Software Developer | Full-Stack Web Development

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<https://prudhvi-portfolio-website.vercel.app>

PROFILE SUMMARY

Motivated Full-Stack Developer skilled in building and deploying scalable, responsive web applications using Python/Django, React.js, and Next.js. Hands-on with AWS (S3, EC2), and CI/CD pipelines. Strong knowledge of RESTful APIs, unit testing, and agile methodologies. Known for delivering high-impact features with clean, maintainable code in cross-functional teams.

TECHNICAL SKILLS

- **Programming & Databases:** Python, C++, JavaScript/TypeScript, Java (basics), MySQL, NoSQL
- **Frameworks & Libraries:** Django, React.js, Next.js, Node.js, Bootstrap, Tailwind CSS, Framer Motion
- **Cloud & DevOps:** AWS (S3, EC2, API Gateway), Docker (basics), GitHub Actions CI/CD, Linux, VS Code
- **Concepts & Tools:** RESTful APIs, OOP, SDLC, Secure Coding, Responsive Design, Unit Testing (pytest), Agile/Scrum
- **Soft Skills:** Communication, Team Collaboration, Leadership, Troubleshooting, Open Source Contribution

INTERNSHIP EXPERIENCE

Full Stack Intern: NirveonX Pvt. Ltd.

April 2025 – June 2025

- Engineered 12+ React/Next.js modules integrating WebRTC for continuous AI-assistant audio/video chat, boosting weekly user interactions by 25% and slashing load times by 18%.
- Implemented Tailwind CSS UI components across six sprints, accelerating front-end development by 25%.

AWS Intern: BrainOvision Solutions Pvt. Ltd.

July 2022 – August 2022

- Configured high-availability AWS infrastructure achieving 99.9% uptime for critical services supporting 250+ daily users.
- Tuned eight REST API endpoints, reducing 95th-percentile latency and improving API uptime to 99.8%.

PROJECTS

Portfolio Website

(Next.js, React, TypeScript, Tailwind CSS, Framer Motion, Spline, SVG)

- Engineered an interactive portfolio by embedding 3D Spline models with a dynamic canvas background and custom cursor burst effects, delivering an immersive user experience, resulting in 50+ unique weekly visits.
- Integrated a serverless contact form with native API Gateway, capturing 250+ monthly leads at 95% success rate.

Pins Studio Web Application

(Django, MySQL, Masonry.js, Python, JS, Unsplash API)

- Implemented seamless infinite scroll and adaptive grid layouts, extending average session length by 40% (3.2→4.5 min).
- Secured OAuth 2.0 authentication and sculpted RESTful CRUD APIs for pins, profiles, and media management.

Python Code Editor & Compiler

(Django, CodeMirror, HTML, CSS, JS, Python)

- Built a CI/CD-driven code sandbox with 99% automated test coverage, guaranteeing reliable performance across devices.
- Deployed an isolated execution environment handling 250+ weekly users without escape vulnerabilities.

CERTIFICATIONS / ACHIEVEMENTS

- **Cyber Security and Privacy** from NPTEL – Digital Security, Malware, Password Security, Threat Protection
- **Python Basics** from HackerRank – Scalar Types, Control Flow, Strings, Collections, Modularity, OOP
- **CCNA R&S: Routing and Switching Essentials** from CISCO Networking Academy
- **Full Stack Python** from PythonLife – REST APIs, ORM, Forms, Templates, JWT Authentication, Hooks, JSON Parsing
- **Software Testing Certification course** from Eduonix Learning Solutions

LEADERSHIP

- Guided a cross-functional team of three developers in agile sprints to integrate real-time communication into an AI chatbot, reducing latency by 20% and ensuring seamless multi-platform support.

EDUCATION

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| • Bachelor of Technology in CSE, | NSRIT, Visakhapatnam | CGPA: 7.49 | 2021–2024 |
| • Diploma in Computer Engineering, | Andhra Polytechnic, Kakinada | Percentage: 66% | 2017–2020 |