

# AKULA PRUDHVI

Software Developer | Full-Stack Web Development

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

## PROFILE SUMMARY

Entry-level software developer with hands-on experience building and deploying application interface using backend in Python/Django framework and React.js library. Gained practical exposure to AWS (S3, EC2) and CI/CD pipelines through two internships. Focused on writing maintainable code and collaborating effectively in agile teams.

## TECHNICAL SKILLS

- **Programming/Databases:** Python, C++, MySQL, PostgreSQL, Django, React components, Next.js, Node.js (basics)
- **Tools/Platforms:** AWS (S3, EC2), Git, Bootstrap, Windows, CI/CD (GitHub Actions), Docker (basics), TypeScript
- **Core Concepts:** OOP, SDLC, Secure Coding, Responsive Design, Unit Testing, Agile Methodologies
- **Soft Skills:** Leadership, Problem-solving, Adaptability, Communication, Collaboration, Troubleshooting

## INTERNSHIP EXPERIENCE

### Full Stack Intern: NirveonX

April 2025 – June 2025

- Coordinated 12 React/Next.js modules for real-time audio/video chat, incorporated WebRTC, enabling a 24x7 AI-assistant that lifted chatbot engagement by 30% (from 1.2k to 1.5k weekly interactions) & reduced cross-device load times by 18%
- Liaised with UX and backend teams over six two-week sprints; Merged Tailwind CSS to cut component development time by 25%, accelerate feature rollouts by 15%, and enhance UI consistency across devices.

### AWS Intern: BrainOvision Solutions Pvt. Ltd.

July 2022 – August 2022

- Configured high-availability S3 buckets and launched EC2 instances, ensuring 99.9% uptime for critical cloud services.
- Facilitated backend engineers to tune 8 REST endpoints, reduced 95th percentile latency, improved API uptime to 99.8%

## PROJECTS

### Portfolio Website

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

- Spearheaded 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.
- Assembled serverless contact form with native API Gateway, handling 250+ submissions/month with 95% deliverability.

### Pins Studio Web Application

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

- Instituted infinite scrolling via Masonry.js & Unsplash API, boosting average session duration from 3.2 min to 4.5 min (40%). Established secure OAuth 2.0 authentication and RESTful CRUD APIs for pins, profiles, and media uploads.
- Optimized MySQL queries with indexing, schema tuning, Accelerated query time by 35% & supported 500+ daily requests.

### Python Code Editor & Compiler

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

- Built Adaptive CodeMirror-based editor with CI/CD integration, achieved 99.5% test coverage across desktop & mobile.
- Released a secure sandbox environment serving 250+ weekly users with zero escape vulnerabilities over eight weeks.

## 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

- Managed a team of 3 developers in agile sprints to implement real-time communication features in an AI chatbot—reduced latency by 20%, improved cross-device performance, and ensured seamless multi-platform user experience.

## EDUCATION

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