PRUDHVI AKULA
Software Developer | Full-Stack Web Development

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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, Java (basics), NoSQL, React components, Next.js, Node.js (basics)
- **Tools**/**Platforms**: AWS, DSA, Git, Bootstrap, Windows, Django, GitHub Actions, Docker (basics), IDE, TypeScript, Linux
- **Core Concepts**: OOP, SDLC, Secure Coding, Responsive Design, Unit Testing, Agile Methodologies, VS Code, IaC
- **Soft Skills**: Leadership, Problem-solving, Adaptability, Communication, Collaboration, Open Source, 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 24×7 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**