

HAMSU MADAPURAM

SOFTWARE ENGINEER

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SUMMARY

Results-driven Software Engineer with hands-on experience in full-stack development, backend engineering, database design, and frontend UI/UX through multiple internships. Skilled in building scalable web applications using Python, Django, React.js, Angular, Node.js, Express.js, SQL, and RESTful APIs. Experienced in creating responsive interfaces, designing optimized database structures, and implementing secure, high-performance backend logic. Strong in code debugging, performance tuning, API integration, and modular development. Proficient in data analysis using Power BI, Pandas, and NumPy, with solid knowledge of Agile/Scrum workflows. Collaborative team player with advanced Git-based version control experience and a commitment to clean, maintainable code. Seeking to contribute technical expertise to a dynamic full-stack, backend, or software development role.

PROFESSIONAL SKILLS

- **Programming Languages:** Python, JavaScript (ES6+), Java, C, C++, C#
- **Frontend Development:** React.js, Angular, HTML5, CSS3, Bootstrap
- **Backend Development:** Django, Node.js, Express.js, RESTful API Development
- **Databases:** SQL, MySQL, Oracle, MongoDB, RDBMS
- **Data & Analytics:** Power BI, Pandas, NumPy, Matplotlib
- **Version Control:** Git, GitHub
- **Development Environments:** VS Code, PyCharm, IntelliJ (if needed)
- **API Testing & Debugging:** Postman, Browser DevTools

SOFT SKILLS

- Problem-Solving & Analytical Thinking
- Communication & Team Collaboration
- Time Management & Task Prioritization
- Attention to Detail & Quality Focus
- Documentation & Reporting Skills
- Critical Thinking & Logical Reasoning

WORK EXPERIENCE

Unified Mentor Pvt. Ltd

Frontend Development Intern (Remote)

- Developed & maintained responsive web applications using React.js & Angular following modern UI/UX best practices.
- Built reusable UI components using HTML5, CSS3, JavaScript (ES6+), improving performance and code scalability.
- Integrated RESTful APIs to fetch and render dynamic data, ensuring smooth data flow and optimized load times.
- Performed debugging, unit testing, and performance optimization to ensure application stability and speed.
- Implemented version control practices using Git for code management and collaboration.
- Developed and enhanced user interfaces and responsive web layouts using React.js, Angular, HTML5, CSS3, and JavaScript.
- Improved UI performance by designing reusable components and applying modern frontend frameworks&best practices.
- Supported code optimization, debugging, and performance tuning, ensuring smooth rendering and reduced loading time.
- Performed cross-browser testing to ensure compatibility across Chrome, Firefox, Edge, and Safari.
- Collaborated with developers, designers, and QA teams in Agile/Scrum sprint cycles to deliver feature updates on time.
- Utilized Git and GitHub for version control, code reviews, and collaborative development.

Full Stack Web Development Intern (Remote)

- Developed and maintained full-stack application features using React.js on the frontend and Node.js/Express.js on the backend.
- Assisted in building RESTful APIs, ensuring efficient data flow between frontend and backend systems.
- Supported database integration using SQL/NoSQL databases, enabling secure data storage and retrieval.
- Coordinated with senior developers to understand technical requirements and deliver scalable, production-ready modules.

Nixona Enterprises

Backend Development Intern (Remote)

- Supported the development of backend application logic using server-side technologies and frameworks.
- Performed debugging, troubleshooting, and error resolution to improve backend reliability and performance.
- Assisted in building and handling RESTful API requests, ensuring smooth communication between frontend and backend systems.
- Contributed to server-side optimization, including code refactoring and performance tuning to enhance response time.
- Collaborated with the development team to integrate backend modules and maintain clean, scalable code.
- Used Git/GitHub for version control and documentation of backend changes.

SQL Database Developer Intern (Remote)

- Developed, optimized, and executed SQL queries for data retrieval, reporting, and analytics.
- Designed and structured database tables, views, and relationships, ensuring data accuracy and logical consistency.
- Performed data validation, cleansing, and normalization to improve database quality and integrity.
- Supported backend database operations, including stored procedures, indexing, and query optimization to enhance performance.
- Assisted in monitoring and improving database efficiency, reducing execution time and resource consumption.
- Worked closely with developers to ensure seamless database integration with application modules.

PROJECTS

Electronics Shop – Full Stack E-Commerce Web Application

GitHub: github.com

Live Demo: <https://acmbkmonline.online>

Tech Stack: Python, Django, HTML5, CSS3, JavaScript, SQL, Git/GitHub

- Developed a full-stack e-commerce platform featuring product listing, category browsing, shopping cart management, and an end-to-end checkout workflow.
- Integrated secure backend logic for order placement, cart operations, and payment-flow readiness, ensuring smooth user experience.
- Implemented user authentication, authorization, and role-based access control (RBAC) for customers and admin users.

Blogger Web App – Full Stack Blogging Platform

GitHub: github.com

Live Demo: <https://www.bloggerone.com>

Tech Stack: Python, Django, HTML5, CSS3, JavaScript, SQL, Git/GitHub

- Built a fully responsive blogging platform supporting user registration, login, profile management, and personalized dashboards.
- Implemented CRUD operations for blog posts, categories, user-generated content using Django views and Django ORM.

PROJECT DEPLOYMENT (AWS, PYTHON ANYWHERE)

AWS Deployment – Django Portfolio / Electronics Shop

- Deployed a production-ready Django application on AWS EC2 (Ubuntu) using Nginx, Gunicorn, and systemd.
- Configured Route53 DNS, domain hosting, and HTTPS/SSL with Certbot for secure access.
- Managed server administration, Security Groups, IAM, virtual environments, and resolved deployment issues (502 errors, Nginx/Gunicorn).

EDUCATION

Bachelor of Computer Applications (BCA) – Pursuing

[Manipal University, Jaipur](#)

CERTIFICATIONS

- **Data Science & Machine Learning (Python, ML Basics)** - Completed foundational training in data preprocessing, supervised/unsupervised learning, model evaluation, and Python-based ML workflows.
- **Digital Marketing Certification (SEO, Content Marketing, Analytics)** - Gained skills in SEO optimization, Google Analytics, content strategy, social media marketing, and campaign performance tracking.
- **Python Programming – HackerEarth (Entry Level)** - Demonstrated knowledge in Python syntax, functions, data structures, algorithm basics, and problem-solving.
- **React Developer (Entry Level)** - Learned React fundamentals including JSX, components, state management, hooks, and frontend UI development.
- **Full Stack Web Developer (Entry Level)** - Covered frontend (HTML, CSS, JavaScript, React) and backend (Node.js, APIs, databases) concepts for full-stack application development.
- **Python Programming – Grade A+ (NSDC, Entri Software Pvt. Ltd.)** - Certified in Python fundamentals, OOP, data handling, scripting, and basic automation.
- **Python Programming Certified User (Illinois Institute of Technology)** - Completed certification covering advanced Python concepts, data manipulation, application development, and coding best practices.
- **Frontend Development Internship (Unified Mentor Pvt. Ltd.) – 6 Months** - Hands-on experience in UI development, API integration, debugging, and responsive web design using modern frontend technologies.
- **Translator Certification – United Skill Academy** - Gained experience in translation workflows, linguistic accuracy, proofreading, and content localization.

LANGUAGES KNOWN

English: Read, Write, Speak | **Malayalam:** Read, Write, Speak | **Hindi:** Read, Speak