SRIKAR PUNNA

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OBJECTIVE:

Dynamic and innovative IT professional with a strong foundation in software engineering and cloud technologies, seeking to leverage my expertise in business technology integration and data-driven solutions. Passionate about employing agile methodologies and collaborative approaches to drive efficient business processes and deliver high-impact solutions in regulated environments. Eager to contribute to teams that value creativity, learning agility, and a commitment to advancing healthcare through technological excellence.

EDUCATION

Central Michigan University   Expected graduation – May 2024 **GPA**- 3.8

Master of Science in Information Systems (Data Analytics)

Jawaharlal Nehru Technological University, India   August 2017-June 2021

Bachelor of Technology in Computer Science and Engineering

EXPERIENCE

Rocket Central – Detroit, MI, USA   May 2023 – August 2023

Software engineer intern

- Engaged in the full Software Development Life Cycle (SDLC) in Agile teams, developing and deploying cloud infrastructure.
- Conceptualized data discoverability tool; improved metadata lookup and management.
- Implemented secure OAuth 2.0 in React TypeScript, enhanced user security.
- Collaborated on API endpoints; integrated with Fast API Python.
- Utilized CI/CD pipelines with CircleCI; aligned with industry best practices.
- Streamlined web hosting using Amazon S3, CloudFront; ensured performance.

Tata Consultancy Services - Hyderabad, IN   June 2021 – December 2021

Associate Software Engineer

- Designed and developed user-friendly and responsive web interfaces using Angular and HTML, CSS, and JavaScript.
- Built and maintained high-performance single-page applications, accelerating digital adoption.
- Collaborated with cross-functional teams to gather requirements and design solutions.
- Conducted code reviews, bug fixing, and performance optimization to ensure high-quality delivery.
- Utilized Agile methodologies to plan and execute projects on-time and within budget.

Out shade Digital Media - Hyderabad, IN   June 2019 – March 2020

Content Writing Intern

- Conducting in-depth research on industry-related topics to develop original content. Developing content for blogs, articles, product descriptions, social media, and the company website. Identifying customers' needs and recommending new content.
- Assisting the marketing team in developing content for advertising campaigns.

TECHNICAL SKILLS

- **Languages**:   Python, JavaScript, C++, C, Java.
- **Web Technologies:** HTML5, CSS3, Bootstrap, Node.js, Express.js, React
- **Databases:**   MySQL
- **Developer Tools:**   Visual Studio Code, Eclipse, Post Man, Git
- **Hard Skills:** Predictive Modeling, Regression, Machine Learning technology, Data Structures
- **Soft Skills:** Time Management, Critical Thinking, Teamwork and Collaboration, Written and Verbal Communication.

ACADEMIC PROJECTS

Data Discoverability Tool   May 2023 - August 2023

Developed a Data Discoverability Tool to improve metadata management and data lookup within the organization.

The tool was created to make data assets easily and securely accessible to various departments.

- Conducted requirements analysis to define user needs and functional specifications.
- Utilized Python and Fast API for backend development, offering an API for metadata search and management.
- Implemented OAuth 2.0 authentication in a frontend developed with React and TypeScript to enhance user security.
- Employed Elasticsearch for quick and scalable search capabilities.
- Integrated CI/CD pipelines using CircleCI for automated testing and deployment.
- Achieved a 35% improvement in metadata lookup times and enabled secure, role-based access to over 5000 data assets.

Technologies Used: Python, Fast API, React TypeScript, Amazon S3, CloudFront, CircleCI

State Teacher Eligibility Test   September 2021 - November 2021

- Engineered a robust web application to automate the eligibility verification process for teachers aspiring to take the state eligibility test. The application streamlined document verification to ensure compliance with examination prerequisites, culminating in the issuance of hall tickets post-verification.
- Developed distinct modules for users and administrators, enabling a seamless file upload and verification workflow. Designed user-centric webpages to facilitate easy document submission for verification.
- Created Website for user and admin module. Created user friendly webpages to upload files for verification.
- Utilized a modern tech stack for a more scalable and maintainable solution:
- Frontend: Redesigned the user interface using React and TypeScript, enhancing user experience and application responsiveness.
- Backend: Transitioned the backend to FastAPI, ensuring a high-performance, Pythonic solution for handling requests and managing the verification process.
- Database: Migrated the database to a more robust solution (e.g., PostgreSQL) for better data integrity and management.
- Deployment: Leveraged AWS S3 for static file hosting and AWS CloudFront for secure and performant content delivery, ensuring a reliable, production-ready deployment.
- Version Control: Employed Git and GitHub for version control, facilitating collaborative development and code reviews to maintain a high standard of code quality.

CERTIFICATIONS

- Azure AZ – 900 **– MICROSOFT**
- AWS Foundations **- AMAZON WEB SERVICES**
- Lean Six Sigma Green Belt– **CENTRAL MICHIGAN UNIVERSITY**

ACHIEVEMENTS

Co-author of the book (LIFE -anything but predictable). Author of' A Girl "(Short Story)

Best Functional model in Sowparnika Physics and chemistry club

IETE -ISF VBIT conducted Best Functioning model contest and got selected.

Telangana Innovation Programme by Telangana State Innovation

Out of 9400 Participants, State Rank :23, College Rank: 1. Represented our state for my start-up.

Won as a Best Public Speaker in the Inter-school competition in the year 2014.

Out of 400 participants, Ranked 1st.