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**TECHNICAL SKILLS**

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**Languages:** Javascript , Python , Typescript , C++ , Java , HTML , CSS , JSON**Frameworks:** Node.js , Express.js , React.js , Next.js , TailwindCSS , Django , Firebase , PyTest , Kafka**Dev Tools:** Git , GitHub , AWS (S3, EC2, Lambda) , Azure , Postman , Docker , Jenkins , Ansible , Jira , Linux**Databases:** NoSQL (MongoDB, DynamoDB, Cloud Firestore) , SQL (MySQL, PostgreSQL)**Skills:** Front-end , Back-end , Agile , Unit testing , CI/CD , Scrum , DevOps , SDLC**Certification:** AWS Certified Cloud Practitioner

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**EXPERIENCE**

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**Graduate Teaching Associate**

Fullerton, CA

*California State University, Fullerton**Jan 2023 - Present*

- o Mentored over 50 students in Foundation of Software Engineering course on essential topics for software development.
- o Employed tools like Jira, Trello to simulate practical project management situations, emphasizing Agile methods.
- o Taught Intro to Programming labs - C++, leveraging Linux, GitHub for enhanced coding skills, collaborative learning.

**Data Science Intern**

India

*Kintu Designs Pvt. Ltd.**Dec 2021 - Apr 2022*

- o Coordinated with clients in an Agile setup, engaged in pair programming, daily scrum for efficient project delivery.
- o Delivered AI-Driven chatbot for healthcare platform on 2 conversation flows, 30 FAQs resolving 80% queries using RASA.
- o Conducted comprehensive data cleaning and analysis of sales data using Python, Pandas, encompassing 6 key attributes.
- o Built and deployed user-friendly dashboards and visualizations using Tableau to enhance data comprehension for clients.

**Software Developer Intern**

Austin, TX

*Feature IT LLC**Jun 2021 - Nov 2021*

- o Crafted efficient and scalable RESTful APIs, leveraging power of Django, Mongoose and Postman for API testing.
- o Supported establishment of an end-to-end CI/CD pipeline, performed code review, curated documentation, and unit/integration testing through PyTest Framework.
- o Engaged in all phases of SDLC, from idea generation to testing to ensure delivery of high-quality software solutions.

**Software Developer Intern**

India

*ZipBooks Software Solutions Pvt. Ltd.**Apr 2020 - Jul 2020*

- o Collaborated in team of 6 developers to create FaceLog, cutting-edge system for face recognition and customer analysis.
- o Gained proficiency in OpenCV, Python, state-of-the-art ML models to enhance image and video processing capabilities.
- o Contributed to development of admin portal aimed at enhancing customer analytics, utilizing Node.js, MongoDB, Web-Socket, D3.js, HTML and CSS.

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**PROJECTS**

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**BrandGuru - AI Assistant For Marketing***Python, FastAPI, OpenAI, AWS CDK, AWS Lambda, API Gateway, Docker, Typescript, Next.js, React, TailwindCSS, Firebase, Vercel*

- o Designed and developed full stack AI-driven marketing content generation platform with 100% cloud-native architecture.
- o Leveraged AWS Lambda for serverless backend, adopting pay-as-you-go model resulted in approximately \$120 reduction in infrastructure costs per year, and utilized Vercel for continuous integration and deployment.

**Image Processing Application***Java, JavaFX, JUnit, Command Pattern, Object Oriented Programming, Test Driven Development (TDD)*

- o Developed JavaFX image processing application, integrating Java's libraries, OOP principles, implemented MVC, Command Patterns for operational efficiency, and conducted rigorous JUnit testing, achieving an impressive test coverage of 94% .

**Jenkins CI/CD Portfolio Pipeline***Github Webhooks, Jenkins, Ansible, Docker, AWS EC2, AWS Route53*

- o Automated personal portfolio website deployment, transitioning from manual deployment, reducing deployment time from 5 mins to automatic deployment in just 1 min.

**Financial Market Data Analysis***Python, Kafka, Spark, Plotly, CronTab, Azure Blob Storage, Alpha Vantage API, ETL*

- o Enabled real-time streaming of financial data via Kafka ensuring continuous data capture into Spark for analysis, utilized cron job to execute script every 1 min, enhancing data availability and enabling real-time data ingestion and analysis.
- o Utilized Azure Data Lake to store JSON-formatted processed data, enhancing data retrieval for historical data analysis.

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**EDUCATION**

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**California State University, Fullerton**

Fullerton, CA

*Master of Science in Computer Science , GPA: 3.73**May 2024***Charotar University of Science and Technology**

India

*Bachelor of Technology in Computer Science & Engineering , GPA: 3.94**May 2022*