Bhushan Vasisht

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EDUCATION

The University of Texas At Dallas	Richardson, TX
Master of Science in Computer Sciences, GPA: 3.24/4.0	*2018 - 2020*
BMS College of Engineering	Bengaluru, India
Bachelor of Technology in Computer Engineering, CGPA: 8.65/10.0	*2013 – 2017*

EXPERIENCE

Software Engineer — Coppell, TX
Blue Yonder Inc. — *January 2022 - Nov 2022*
- Designed plug-and-play subscription features like audits and refunds handling for 300 small scale customers.
- Introduced order orchestration processes and a combination of scheduled wait tasks and retry queues and achieved a performance boost of 13%.
- Built lot-swap mechanism for Vanguard Warehousing reducing needless manual labour for factory items by 62%.

Data Engineer — Addison, TX
QliqSOFT Inc. — *January 2021 - January 2022*
- Lead a team to deliver a insurance pipeline system, serving 20 schools for the Fall 2021 Semester, and generated $500,000 in seasonal contracts.
- Developed real time chat/video api integrations Salesforce and Zendesk platforms, enabling more than 30,000 doctor-patient interactions during the 2021 NFL season.

Software Engineering Intern — Addison, TX
Copart Inc. — *August 2019 - December 2019*
- Developed the microservices architecture for auto-quotation service, which reduced more than 80% of quarterly manual work by automating the ML pipeline.
- Led a team effort to revamp a legacy service to AWS, resulting in increased throughput by 17% and reduced latency by 30%.

Machine Learning Engineer - Signal Processing — Bengaluru, India
Analog Devices Inc. — *February 2017 - July 2018*
- Trained combinations of interpolation models and achieved low loss quantification to within 5% errors.
- Collaborated to ramp by SOC validation automation with scenario based training, and slashed about 23% in time-to-market cycle.
- Built innovative interfaces using pattern matching and signal quantification techniques.

TECHNICAL SKILLS

Languages: Java, JavaScript, Python, SQL
Frameworks: Spring Boot, Spring WebFlux, ReactJS, Redux, NodeJS
Databases: MySQL, MongoDB, Cassandra, Redis
Others: Agile Development, Distributed Systems, AWS, Git, Kafka, RabbitMQ, Docker, Netflix Connector, GraphQL

PROJECTS

Stealth.ify | *Reactjs, Python, Firestore*
- Trained an in-memory Quad Tree based state model for rendering locality based covid risk areas on a map.
- Utilized BBB, and target apis to rate store locations in the user's surroundings.
- Presented a locality based risk visualizer with Leaflet.js and Python, and gained 1500 sign ups

Morris Variant | *Python3*
- Design a game engine for 9x7 Morris Variant with Python.
- Analyze A*, IDDFS, Mini-Max and Mini-Max with IDDFS hybrid algorithm performances for different orders.
- Mini-Max with IDDFS at 50 levels secured 7th position at the university level gaming event.

Sangeet Bharathi Book Release System | *Java, ReactJS, S3, Elastic BeanStalk, EC2, SMTP*
- Redesigned the book release process with an approval based approach.
- Developed APIs to manage book releases, approvals and previews. Utilized SMTP for custom emails to editors.
- Built dashboard with ReactJS for preview, approval, and release to S3 by configured editors.