

Abhijit Hanumeswara Kulkarni

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Education

University of Southern California

Master of Science in Computer Science

- **Courses:** CSCI-570: Analysis of Algorithms, CSCI-576: Multimedia Systems Design

Aug 2024 - Present

Los Angeles, CA, USA

BMS College of Engineering

Bachelor of Engineering in Computer Science

- Graduated with a GPA of 9.21 on a scale of 10

Jun 2016 - Sep 2020

Bangalore, KA, India

Work Experience

Morgan Stanley

Senior Software Engineer

Jun 2021 - Jul 2024

Bangalore, KA, India

- Visualized data with Highcharts, boosting revenue by 70% and optimizing user screen analysis efficiency
- Drove user growth by introducing React Tour, Redux, Recent Searches, and Theme Switch, resulting in an 80% more effective onboarding
- Receded development effort by 90% leveraging React and Stencil Reusable Web Components
- Achieved greater than 80% JUnit coverage across multiple web applications, minimizing faulty code by 50% and upgraded authorization protocols, cutting security vulnerabilities by 70% at critical endpoints
- Led part of a team and collaborated with stakeholders to elevate overall team efficiency by 200%

Morgan Stanley

Software Engineer

Jul 2020 - Jun 2021

Bangalore, KA, India

- Elevated user experience by 90% through adopting micro frontend architecture with Module Federation
- Evaluated Bootstrap, Styled Classes, and Tailwind opting for Tailwind to accelerate development time by 50%
- Implemented tile layout with React Grid Layout and crafted feature including Save View and User Preferences with MongoDB, increasing user efficiency and cutting effort by 50%
- Constructed micro service architecture using Java and Spring Boot enabling independent scaling of services and improved fault isolation, resulting in a 30% increase in system reliability

Juspay Technologies

Software Engineer Intern

Jan 2020 - Jun 2020

Bangalore, KA, India

- Developed a single sign-on solution for a web application using Haskell and JavaScript, simplifying login process and enhancing user experience by 20%
- Optimized web app performance by integrating MongoDB and a Node.js server for user information storage, reducing total time for REST API calls by 80%

Academic Projects

Stock Search

Master's Student, University of Southern California

Aug 2024 - Sep 2024

Los Angeles, CA, USA

- Engineered a responsive Angular application with real-time stock data via FinHub API and Highcharts, improving user efficiency by 60%
- Architected a Node.js and MongoDB watchlist feature, increasing engagement by 40%, and hosted on GCP App Engine, achieving 99.9% uptime and 30% faster response times [Live Demo]

Smart College Navigation App (SCNA)

Bachelor's Student, BMS College of Engineering

Aug 2019 - Dec 2019

Bangalore, KA, India

- Designed a navigation app integrating image processing and Google Maps, and architected a mobile application with Java and Android Studio, reducing campus navigation effort by 90%

Technical Skills

Programming: Javascript/Typescript (ES6), HTML5/CSS, Python, Java, C++, C

Frameworks and Libraries: React, Angular, Redux, Node.js, Django, Flask, Spring Boot

Databases and CI/CD Tools: MongoDB, PostgreSQL, MySQL, Git, Docker, Jenkins