

ABHISHRUT VAIDYA

Software Research Engineer/Scientist

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SUMMARY

Results-driven software engineer with over 5 years of experience architecting scalable web applications and high-traffic e-commerce platforms. Demonstrated expertise in JavaScript, React, Node.js, and AWS, with a strong background in developing analytics dashboards and optimizing system performance. Advanced skills in AI and machine learning, delivering state-of-the-art recommender systems and datadriven solutions. Excel at leading cross-functional teams and mentoring engineers to drive best practices. Seeking to leverage technical acumen to build impactful, user-centered products.

EXPERIENCE

Software Research Engineer/Scientist

Intel 02/2025 - 01/1970 Bengaluru, Karnataka

Leading technology company specializing in semiconductor manufacturing

- Developed an internal tool called PRISM UI to analyze weak points during chip designing
- Built chip layer design Heatmap using Leaflet and D3.js
- Shifted legacy Linux based C++ application to a web-based visualization tool
- Code reviewed following best design and coding principles
- Optimized existing web applications for better performance and wrote Cypress E2E test cases

Senior Full Stack Developer

Peepul Tree 06/2023 - 01/2025 Bengaluru, Karnataka

A technology company focusing on e-commerce solutions

- Designed and deployed an end-to-end e-commerce platform supporting over 100K daily visitors
- Built an Operations and Analytics dashboard for better visibility over orders and user activity
- Enhanced shopping experiences and checkout flow, resulting in a 5x boost in conversion rates
- Optimized backend systems with AWS services for ultra-low latency and scalability
- Spearheaded CI/CD pipelines, enabling seamless deployments
- Mentored junior engineers and promoted software best practices across teams

Software Development Engineer (Founding Member)

AiNS PeopleTech 07/2021 - 08/2022 South Delhi, New Delhi

A startup focused on innovative people-centric technology solutions

- Developed a customer-facing mobile application from scratch using Flutter and Dart
- Designed and implemented recommendation algorithms increasing user retention rates
- Built scalable backend infrastructure leveraging AWS Amplify and Git

Software Engineer - Development

CitiusTech: Healthcare Technology Solutions

06/2018 - 08/2020 Mumbai, Maharashtra

Provider of healthcare technology solutions

- Developed a Patient Access System (PAS) web app for Revenue Cycle Management
- Built modular, responsive UIs using Angular 8, TypeScript, and Material UI
- Integrated frontend with robust backend services written in C#, .NET Core, and MS SQL

EDUCATION

MS (Research) - Information Technology

Indian Institute of Technology Delhi

GPA 9.63 / 10

01/2021 - 12/2023 New Delhi

- NLP, ML, Cloud Computing

B.Tech. - Electronics and Telecommunications

Veermata Jijabai Technological Institute

01/2014 - 12/2018 Mumbai

SKILLS

Agile	AWS	AWS Services	C#
CSS	Cypress	D3.js	Dart
E-Commerce	Flutter	GCP	Git
GTM	HTML	JavaScript	Jenkins
MongoDB	Material UI	Next.js	
Nginx	PostgreSQL	Python	React
Serverless	Shopify	SQL	
TypeScript	Unit Testing	Webpack	
GitHub Actions	.NET Core	Node.js	
PyTorch	TensorFlow		

KEY ACHIEVEMENTS



IntentRec: An Advanced Recommender System Leveraging User-Item Intent

Achieved state-of-the-art results on benchmark datasets with reduced optimization time



RecKross: Recommendations with k-Cross Kernel Net

Built a state-of-the-art Collaborative filtering neural recommendation model



Client Recognition

Recognized for 'Excellent' work in Angular UI development by a USA-based client



National CCRT Scholarship

National CCRT Scholarship for Visual Art & Painting leading to artwork exhibition