Akash

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Publication: Wiley Online Library
Project: https://param-adventures-phase1-web.vercel.app/
Portfolio: https://voidomin.github.io/resume-website/portfolio/
GitHub: https://github.com/voidomin
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Professional Summary

Full-stack developer (React, Next.js, TypeScript, REST APIs, PostgreSQL) and test-automation engineer (Python, Selenium, Postman, CI). Experienced in building scalable web applications and automated test frameworks that reduce defects, improve performance, and speed up releases.

Tech Stack Summary

JavaScript, TypeScript, React.js, Next.js, HTML, CSS, PHP, FastAPI, REST APIs, PostgreSQL, Python, pandas, NumPy, Selenium, Pytest, Postman, Git, Docker, Linux, Jira.

Work Experience

Program Coordinator & Web Developer, Abhyudaya

August 2025 – Present | Bengaluru, India

- Coordinate program activities, outreach, and stakeholder relations across community initiatives.
- Streamline program delivery and organise events and trainings for students and volunteers.

Development Engineer, Merck

January 2024 – July 2025 | Bengaluru, India

- Built front-end and back-end features for Bio4C Process Pad using React, TypeScript, REST APIs, and PostgreSQL.
- Automated regression tests and workflows using Python and Selenium, reducing manual QA effort.
- Implemented APIs and UI features and collaborated with cross-functional teams to deliver product releases.

Research Project, Indian Institute of Science (IISc)

June 2023 – December 2023 | Bengaluru, India

- Conducted computational research in structural biology and protein stability analysis.
- Published “In Silico Saturation Mutagenesis of CCDB” in the journal *Proteins: Structure, Function, and Bioinformatics*.

Key Achievements

- Reduced manual QA effort by creating Python + Selenium automation for key workflows at Merck.
- Designed and developed Abhyudaya’s website to improve online outreach and information access for volunteers and donors.
- Built reusable TypeScript components and patterns that improved frontend development speed and consistency.
- Published peer-reviewed bioinformatics research on protein stability in a reputed international journal.

Projects

Param Adventures – Tourism Website

Personal / Freelance

Built a responsive tourism website using TypeScript and Next.js. Live: https://param-adventures-phase1-web.vercel.app/

- Implemented booking flows and modular TypeScript components for trip listings and enquiries.
- Integrated maps/APIs and optimised performance and accessibility for a smoother user experience.

Abhyudaya Website – NGO Platform

Abhyudaya

Designed and developed the website https://abhyudayakkss.org/ to present programs, volunteering, and donation information.

- Structured content for programs, centres, and contact flows to increase clarity for visitors.
- Improved discoverability of key information, supporting outreach and engagement for community initiatives.

Education

M.Sc. in Molecular & Cellular Biology

MS Ramaiah University of Applied Sciences, Bengaluru, India | August 2022 – September 2024

GPA: 8.12

B.Sc. in Biotechnology

Dayananda Sagar University, Bengaluru, India | July 2019 – May 2022

Relevant Coursework / Learning

Data Structures and Algorithms, Web Development, Software Engineering, Database Systems, Object-Oriented Programming (OOP), Computer Networks, Basic Operating Systems.

Awards & Publications

- Published “In Silico Saturation Mutagenesis of CCDB” in *Proteins: Structure, Function, and Bioinformatics*.
- 3rd place in a hackathon conducted by Merck (team-based software development and problem solving).
- State government scholarship recipient through State Scholarship Program (SSP).
- 1st place in a poster-making competition at Dayananda Sagar University.

Additional

References available upon request.