

ABHINAV KUMAR

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EXPERIENCE

Apple

Bengaluru, India

Software Engineer

July 2023 – Present

- Built a modular **test automation framework (PTF)** from scratch in C, featuring dynamic test case injection, debug hooks, and reporting tools - adopted across 4+ teams and reducing script maintenance by 30%.
- Enhanced latency profiling by integrating dynamic progress markers, multi-level reporting, and verdict prediction using **Python**; improved diagnosis speed by 40%.
- Integrated **LLDB** debugging into **JavaScript**-based crash analyzer, enabling memory dump extraction and crash fingerprinting; reduced manual debug effort and enhanced traceability in iPhone modem sleep crash logs.
- Streamlined tool deployment across trace, crash, and CI teams, improving cross-team automation and reducing onboarding friction for new tool adopters.

Apple

Bengaluru, India

Software Development Engineer, Intern

Jan 2023 - June 2023

- Built a **Latency Profiling Tool** from scratch using JavaScript, Python, and Splunk to analyze modem sleep entry and exit statistics bringing efficiency and faster TAT in timeline profiling.
- Automated the tunable application workflow in Python (auth, repo cloning, ticket parsing, PR creation) - saving 3-4 hours of manual effort per request and improving consistency across CI submissions.
- Built a Python ticket tracker to monitor team tasks in real time, improving visibility & reducing missed updates.

EDUCATION

Malaviya National Institute of Technology (MNIT)

Jaipur, India

Bachelor of Technology in ECE, Grade: 9.17 CGPA

July 2019 – June 2023

Shri Ji Baba Saraswati Vidya Mandir (SBSVM)

Mathura, India

Senior Secondary CBSE, Grade: 93.8 %

April 2017 – May 2019

SKILLS

- **Languages:** C, C++, Python, Java, JavaScript, HTML, Groovy, Shell
- **Tools and Frameworks:** Git, GitHub, Bee, Bitbucket, Stash, Splunk, MERN, Linux
- **Technical Expertise:** Data Structures, Algorithm, Object Oriented Programming (OOP), DBMS, Operating System, System Design (Basics), Problem Solving

ACCOMPLISHMENTS

- Ranked among Top 10 teams in Week of Code Hackathon '24
- Global Rank 810 in **Google Kickstart** '22 Round E
- Global Rank 1750 in **Meta Hackercup** '22 Round 2
- Global Rank 86 in Codechef May Starters '22
- **AIR 727** in Codekaze '22 with over 150000+ participants
- **AIR 752** in Newton's Grand Coding Context with over 30000+ participants

PROFILE LINKS

- Codechef: [koder_kudos](#) (**5 star**)
- CodeForces: [k_abhinav](#) (**Specialist**)
- Leetcode: [koder_kudos](#) (**Knight**)

PROJECTS

Stack Overflow Clone

Github, Demo

- Clone Project of famously known Q&A website, built in using Express, React and Node.js with MongoDB for database management served as a central hub for tech-related queries. Deployed on Heroku and Netlify.
- The project has gained traction, attracting multiple users and GitHub stars.

Food Cart

Github, Demo

- FoodCart is a Cross platform online food ordering mobile app built using some leading technologies like Flutter DART, Laravel and SQLite with authentication, home page, order history, and user's bio section.