

HIMANSHU

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EXPERIENCE

Research and Development Engineer

Hewlett Packard Enterprise

March 2024 - September 2024

Hyderabad, India

- Added a feature to monitor and manage microservices written in **C++ networking protocols**, automatically stopping services if memory usage of any protocol dropped below 500 MB, ensuring system stability and resource optimization.
- Modularized Python script for synthetic monitoring, resulting in a **25% reduction** in client onboarding time by enabling clients to customize and perform actions on their websites easily.
- Implemented threading in collector statistics, reducing **thread blocking incidents by 40%** and ensuring timely alerts to clients for potential issues, thereby enhancing system reliability and performance.
- Introduced logging features in the synthetics, resulting in a **95% reduction in debugging time** for code failures and facilitating quicker resolution of issues, thereby enhancing overall system stability and efficiency.

Software Engineer Intern

Akeo India

January 2024 - March 2024

Jaipur, Rajasthan

- Executed thorough manual testing for the entire blockchain project, consistently following the Software Testing Life Cycle (STLC) to uphold quality standards during development.
- Executed comprehensive API functionality testing using Postman, validating **50+ endpoints** to ensure secure communication between system components.
- Streamlined API management testing processes by designing and deploying automation scripts using Selenium and Java, **achieving a 30% reduction** in manual testing time and enhancing overall testing accuracy by 25%.

PROJECTS

Open Circle

(React.js, Solidity, Ether.js, Rainbow Kit, IPFS, Fleek, Pinata)

- Created a Decentralized Social Media platform offering users 100% data ownership and censorship resistance.
- Enabled cross-chain compatibility, supporting Shardeum, Polygon, and Ethereum, enhancing scalability and user accessibility.

TrustExchange

(React.js, Solidity, web3.js, Truffle, Metamask)

- Developed a Dapp voting application to address fraud in financial markets. Integrated user-friendly features such as secure voting for transparent decision-making.
- Enhanced user privacy in the blockchain app by implementing encryption techniques.

EDUCATION

Jaipur Engineering College and Research Centre

Bachelor of Technology | Computer Science | 9.1 CGPA

November 2020 - April 2024

Jaipur, Rajasthan

TECHNICAL SKILLS

Programming Languages

C, C++, Python, JavaScript, TypeScript, HTML, CSS, SQL

Frameworks/Libraries

React.js, Next.js, Node.js, Express.js, Redux, Bootstrap, Tailwind CSS

Technical Competency

Git, GitHub, MySQL, UI/UX, Object-Oriented Programming

Core Subjects

Data Structures and Algorithms, Operating Systems, Computer Networks, DBMS

Developer Tools

Linux, Docker, Kubernetes, Jenkins, Bash Scripting

DevOps Skills

CI/CD (Jenkins, GitLab CI/CD), Containerization (Docker), Orchestration (Kubernetes)