

MEHUL MAHESHWARI

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PROFESSIONAL SUMMARY

Aspiring Software Engineer with hands-on experience across application development, data integration, and system optimization. Contributed to major projects like Digital Health Check (MCDS) and SPARK FDAi within Shell Lubricants, improving user experience, strengthening backend performance, and enhancing analytics capabilities. Experienced in building scalable features, integrating cloud-based monitoring, and collaborating with cross-functional teams in an Agile environment. Recognized for adaptability, quick learning, and consistently delivering high-quality results while balancing multiple responsibilities. Eager to expand expertise across software engineering, cloud technologies, and data-driven solutions to contribute effectively to future projects.

EDUCATION

Manipal Institute of Technology | B.Tech. Computer Science and Engineering

July 2019 – July 2023

Manipal Academy of Higher Education Manipal

TECHNICAL SKILLS

Technologies: ReactJS, NextJS, Node.js, Python, HTML, CSS, JavaScript, TypeScript, jQuery, PHP & Laravel, Microsoft SQL, Azure KQL, MongoDB, MySQL, Azure Pass, Azure AI Foundry, Databricks

Analytics & Monitoring: Azure Application Insights, Power BI

Miscellaneous: PowerPoint, Excel, Word, Project Documentation, Postman, Figma, Cypress, SonarQube, GitHub

WORK EXPERIENCE

Associate Software Engineer | Shell India Markets Private Limited, Bangalore

August 2023 – Present

- Contributed to the **SPARK FDAi Project**, enhancing features across front-end and back-end systems to support Shell's Lubricants business, improving efficiency, scalability, and user experience.
- Optimized **Search Bar functionality** using ReactJS, TypeScript, Python, and Microsoft SQL, improving search accuracy and performance across large datasets with enhanced bulk export capabilities for Excel/CSV outputs.
- Developed and implemented **Azure AI Search**, Azure AI Foundry, creating and scheduling indexes/indexers to improve data retrieval and accessibility across FDAi tools.
- Designed and improved **APIs and database workflows**, optimizing data handling, performance, and backend reliability.
- Spearheaded the **integration of Azure Application Insights** for advanced user analytics, collaborating with Power BI to develop dashboards across Azure, Databricks, and SharePoint for actionable insights.
- Contributed to the **Digital Health Check (DHC) Project**, revamping the Risk Assessment Matrix using ReactJS and Node.js to enhance data integrity, export functionality, and performance.
- SPARK FDAi was awarded runner-up in the 2024 Shell.ai Code Masters Awards.

Technical Intern | Knack Systems, Mohali

January 2023 – July 2023

- Conducted automated and manual testing using Cypress, improving test coverage for web applications.
- Wrote efficient Cypress scripts, ensuring thorough validation of UI components and workflows.

Technical Intern | MVPEX, Delhi

June 2022 – July 2022

- Developed full-stack web applications using the MERN stack, implementing front-end and back-end features.
- Produced graphic designs for client projects, demonstrating creativity and technical proficiency.

ACADEMIC PROJECTS

Linux Custom Shell | Manipal Institute of Technology, Karnataka

Sep 2021 – Nov 2021

- Developed a custom Linux Shell (Python) supporting file handling, process management, and custom shell commands.

Traffic Analyzer Based on TCP Header Flags | Manipal Institute of Technology, Karnataka

November 2021

- Created a tool to analyze TCP traffic by capturing and filtering packets based on TCP header flags using Wireshark and Python (libraries: scapy).

CERTIFICATIONS

- Microsoft Azure AI Fundamentals (AI-900)** | Microsoft | Nov 11, 2025
- Certified in Cybersecurity (CC)** | ISC2 | Oct 13, 2025
- Green Software for Practitioners** | The Linux Foundation | June 2024
- Machine Learning with Big Data** | Coursera (University of California San Diego) | Aug 2022 – Nov 2022
- Big Data Modeling and Management Systems** | Coursera (UCSD) | Jan 2022 – Apr 2022

LEADERSHIP & COMMUNITY INVOLVEMENT

- Treasurer** | MIT Gaming Club, Manipal Institute of Technology | November 2021 – January 2023
- Human Resource Head** | Manipal Information & Security Team, MIT Manipal | June 2021 – October 2022
- Head Boy** | Abu Dhabi Indian School, Br-1, Abu Dhabi | April 2018 – March 2019
- Volunteer** – Blood Donation Drives, Food waste Awareness Drives, Tree Plantation, Visiting Orphanages