SUDHANSHU KAKKAR

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Portfolio: https://emsudhanshu.github.io/portfolio/

EDUCATION

- **Master's Degree - Applied Artificial Intelligence**   2025 – 2026(Expected)
  Stevens Institute of Technology, New Jersey, United States
- **Bachelor's Degree - Computer Science Engineering - CGPA – 8.4**   2015 – 2019
  HMRITM, Guru Gobind Singh Indraprastha University, Delhi, India

RELEVANT COURSEWORK

Applied Machine Learning, Probability and Stochastic Processes, Deep Learning

TECHNICAL PROFICIENCY

- **Machine Learning:** Python, BERT Fine-Tuning, NLP, Text Classification, HuggingFace Transformers, TensorFlow, scikit-learn
- **Frontend:** HTML, CSS, JavaScript, Bootstrap, Material UI, React, React Native, Redux Toolkit, Micro-Frontends
- **Backend:** Node.js, Java Spring Boot, Microservices

- **Database**: PostgreSQL, MongoDB
- **Build Tools**: Maven, NPM
- **Version Control**: Git, Bitbucket
- **Agile Methodologies**: Scrum, Sprint Planning, Retrospectives
- **Project Management**: Jira

RELEVANT EXPERIENCE

FIDELITY INFORMATION SERVICES INDIA PRIVATE LTD (FIS) - Bengaluru, India

Full Stack Developer - Senior Software Development Engineer   **Jun 2024 – Jan 2025**

- Developed a standalone payment gateway web application using React JS.
- Developed a standalone application 15G/H submission and download using React JS and Java Spring Boot Microservices.
- Automated the build generation and obfuscation process using Node.js, saving 2 working hours daily.
- Led project architecture improvements, including code structuring, optimization, security enhancements, and obfuscation.
- Developed multiple scripts for boilerplate code generation, accelerating development and reducing redundant efforts.
- Took ownership of product development, leading a team of 5 developers.
- Mentored and guided the team in coding best practices, maintainability, and task delegation while monitoring progress.
- Contributed to code reviews, pair programming, and Agile methodologies to ensure high-quality and consistent code.

Full Stack Developer – Software Development Engineer II   **Aug 2023 – May 2024**

- Contributed to the development of backend Microservices using Java Spring Boot framework and PostgreSQL database.
- Recommended innovative front-end solutions like Micro-Frontends and React Toolkit for improved UI development speed and efficiency.
- End-to-end delivered and maintained various net banking modules like Profile, Accounts, Payee Management, Alerts Management, Fund Transfers etc. by developing required UI and APIs.

Front End Developer – Software Development Engineer II   **Nov 2021 – July 2023**

- Developed an Internet Banking Application using React, Redux, and Material UI to create a dynamic user experience.
- Designed and implemented reusable React components and intuitive interfaces for streamlined development.
- Collaborated with UX/UI designers, product managers, and back-end developers to deliver high-quality software.
- Utilized Git and GitHub for version control and collaboration with team members.
- Embraced Agile methodologies like Scrum to ensure high-quality software delivery.

Tata Consultancy Services Limited – Indore, India

Front End Developer - System Engineer   **Aug 2019 – Nov 2021**

- Utilized React Native, Redux, and Material UI to develop and maintain a logistics mobile application for multiple platforms.
- Worked closely with the product team to plan, design, and implement new features and functionalities.
- Performed testing, debugging, and optimization to ensure the mobile app's optimal performance.
- Deployed and maintained the app on various platforms.
- Responded to feedback from the testing team by updating the code to address issues and enhance functionality.
- Conducted weekly demonstrations to showcase the app's progress and gather feedback from stakeholders.

ACADEMIC PROJECTS

- **Multi-Class Depression Detection Using BERT**   May 2025
  Machine learning-based web application to identify levels of depression based on user-generated text inputs.
- **Dynamic Attendance Manager**   Feb 2019
  The project allows the institutions to record and view attendance records effectively.
- **Ultrasonic Radar**   Jul 2016
  Ultrasonic Radar interfaced with Arduino Uno Board and output visualization using Processing IDE

CERTIFICATIONS AND TRAININGS

- **AI CODING AGENTS WITH GITHUB COPILOT AND CURSOR**   Jul 2025
  LinkedIn Learning
- **BUILDING AI AGENTS AND AUTOMATE WORKFLOWS**   Jul 2025
  LinkedIn Learning
- **GENERATIVE AI: WORKING WITH LARGE LANGUAGE MODELS**   Jun 2025
  LinkedIn Learning
- **JAVA SCRIPT MAPS AND SETS**   Jun 2022
  LinkedIn Learning
- **MEAN STACK**   Mar 2018 - Apr 2018
  Brain Mentors Pvt. Ltd.
- **EMBEDDED SYSTEMS USING ARDUINO**   Jun 2016 - Jul 2016
  Delhi Technological University
- **WEB TECHNOLOGIES**   Feb 2016 - Apr 2016
  HMR Institute of Technology & Management