

Mohit Kumar

mohito8kumarg8@gmail.com | 7011471189

EDUCATION

INDIAN INSTITUTE OF TECHNOLOGY

MASTER OF SCIENCE (RESEARCH)

GPA - 8.25

2022

NETAJI SUBHAS INSTITUTE OF TECHNOLOGY

BACHELORS IN ENGINEERING

ELECTRONICS & COMMUNICATION

GPA - 7.62

2016 - 2020

SKILLS

PROGRAMMING

Java • C • C++

Javascript • Python • LATEX

WEB DEVELOPMENT

Spring MVC • JAX-RS

Spring Boot • Odoo • Flask

Node JS • Express JS

React JS • Bootstrap

HTML5 • CSS3

MACHINE LEARNING

Python • Scikit-Learn

Tensorflow • PyTorch

DATABASES

PostgreSQL • MongoDB • Neo4j

DEVOPS

Bash • Docker

Apache & NGINX Web Servers

LINKS

Github:// [Mohit Kumar](#)

LinkedIn:// [Mohit Kumar](#)

COURSEWORK

POST GRADUATION

Software Fundamentals

Computer Architecture

Machine Learning

Mathematical Foundations

Operating Systems

Multimedia Systems

Computer Vision

Software Laboratory

EXPERIENCE

SOFTWARE TECHNOLOGY PARKS OF INDIA | ASSISTANT DIRECTOR

Feb 2023 - Present | New Delhi

- Led backend development and server management for **SAYUJ**, a networking and resource discovery platform for startups, mentors, and investors, utilizing the MERN stack (MongoDB, Express.js, React.js, Node.js).
- Contributed to the development of an ERP system for managing STPI's CoE operations using custom modules in Odoo ERP software. The platform provides key performance tracking and budget management across multiple Centre of Excellences.
- Managed server infrastructure and deployment pipelines for seamless platform operations.

WIPRO LIMITED | PROJECT ENGINEER

Sept 2020 - Aug 2022 | New Delhi

- Participated in performance analysis, development, and testing of Spring Boot applications based on TMForum Open APIs for Telecom OSS/BSS systems.
- Developed and integrated Camunda workflows for the automation of telecom business processes, specifically focused on the creation, modification, and deletion of various telecom cells.
- Built a resource tracker application, mapping client requirements using PostgreSQL. Completed integration testing using JUnit and Mockito.
- Developed a responsive Kiosk front-end application using React.js and Sitecore, styled components with CSS and Bootstrap.
- Developed a vaccination web application with Spring Boot and MongoDB for user registration and data management, and built a role-based assessment system with Thymeleaf, allowing users to register, take MCQ tests, and generate pass/fail results.

RESEARCH

INDIAN INSTITUTE OF TECHNOLOGY | MASTER OF SCIENCE (RESEARCH)

Aug 2022 | New Delhi

Conducting research on applying computer vision and machine learning techniques in the biomedical domain, under the supervision of **Dr. Tapan Kumar Gandhi**. The focus is on developing models for medical image analysis and diagnostic tools.

NETAJI SUBHAS INSTITUTE OF TECHNOLOGY | B.E. RESEARCH PROJECT

Aug 2019 - June 2020 | New Delhi

Worked on designing a low-power CMOS amplifier under the supervision of **Dr. Urvashi Bansal**. Published a paper in the Journal of Circuits, Systems, and Computers on a QFGMOS-based amplifier offering high gain and bandwidth with enhanced slew rate. The design was validated through simulations using 180-nm CMOS technology.

PUBLICATIONS

- [1] K. P. Y. D. K. M. R. N. Bansal U, Bakre A. A qfgmos-based gm-boosted and adaptively biased two-stage amplifier offering very high gain and high bandwidth. *Journal of Circuits, Systems and Computers*, 2022.