



Mukesh Gautam

Bachelor of Technology
Computer Science Engineering
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EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech in CSE	Sikkim Manipal Institute of Technology	8.07	2024
Senior Secondary	Macro Vision Academy, Burhanpur	75.6	2020
Secondary	Macro Vision Academy, Burhanpur	78.2	2018

EXPERIENCE

- WIPRO** March 2025 - Present
Project Engineer Hyderabad, India
 - Underwent rigorous technical training in C#, .NET Core, SQL Server, React, and Azure fundamentals.
 - Built multiple POCs (proof-of-concept) and internal mini-projects using ASP.NET Core and React to strengthen full-stack development skills.
 - Practiced unit testing, clean architecture principles, and followed agile methodologies in mock project environments.
- IIT BHU (Banaras Hindu University)** Jan 2024 - July 2024
Research Intern Varanasi, India
 - Developed a deep generative model to identify novel 2D materials.
 - Conducted data preparation including extraction, preprocessing, and featurization from multiple databases (Materials Project, C2DB, 2DMatpedia, C1DB, MC3D).
 - Generated 100,000 new material formulas using a GAN model, with 17,949 valid and unique formulas after applying validity checks.
 - Screened potential 2D materials using a Random Forest classifier, resulting in 1,492 screened 2D formulas.
 - Predicted properties of the valid 2D formulas utilizing Pymatgen.


PROJECTS

- Secure Image Upload & Authentication Platform**  React, Node.JS, MongoDB
 - Need for secure image uploading platform with user authentication.
 - Developed a full stack application ensuring comprehensive user authentication handling all cases.
 - Designed a dashboard with an image upload feature, to securely manage and access their images.
- Flower Detection & Classification**  TensorFlow, NumPy, Pandas
 - Difficulty in accurately detecting and classifying flowers from images.
 - Developed a flower detection model using custom CNN architecture.
 - Achieved 92% accuracy in flower detection and classification.
- The Auction Management System** 
 - Developed a full-stack Auction Management System with role-based authentication (Admin/User) using JWT tokens for secure session handling and route protection.
 - Applied Design Patterns (Repository, Dependency Injection, Singleton) to ensure clean architecture, separation of concerns, and maintainable codebase.
 - Integrated React for dynamic and responsive UI with separate dashboards for Admin and Users, including auction creation, bidding, and history tracking.
 - Wrote unit tests using Moq to validate service layer logic and improve test coverage and reliability of backend modules.

SKILLS

- **Languages:** C++, HTML/CSS, JavaScript, C#
- **Frameworks/Libraries:** React.js, Node.js, Material-UI, Pandas, NumPy, Matplotlib, .Net, ASP.NET Core
- **Tools/Platforms:** Git, VS Code, Postman, Windows, Linux
- **Databases:** MongoDB, MySQL, SQL Server

CODING PROFILES

- GeeksForGeeks: Solved 300+ DSA problems on GfG 

CERTIFICATIONS

- The Complete 2022 Web Development Bootcamp - Udemy *Aug 2022*
- SQL and Relational Databases 101 - Cognitive.ai *Jun 2021*
- React 18 Tutorial and Projects course (2023) - Udemy *Aug 2023*
- Microsoft Certified: Azure Fundamentals *May 2025*
- GitHub Co-Pilot - GitHub *June 2025*

ACHIEVEMENTS

- Semi-Finalist in Code Gladiators 2023 & 2024 (Techgig)
- Ranked 180/1482 in MTS DSA Intern Hiring Challenge 2024 (GeeksforGeeks)