# Moukhik Gupta

Adaptable Software Engineer with strong problem-solving skills
and a collaborative mindset. Proficient in cutting-edge technologies,
delivering innovative solutions to drive business success

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## EDUCATION

•**Thapar Institute of Engineering and Technology, Patiala** — *2020-24*
*Bachelor of Technology in Computer Engineering* — CGPA: 9.32

•**Shri Baba Mastnath Public School, Rohtak - Senior Secondary** — *2020*
*Central Board of Secondary Education(C.B.S.E)* — Percentage: 95.2

•**Shri Baba Mastnath Public School, Rohtak - Secondary** — *2018*
*Central Board of Secondary Education(C.B.S.E)* — Percentage: 96.6

## EXPERIENCE

•**Software Engineer Program Intern** — *June - July 2023*
*JPMorgan Chase & Co* — Banglore

- Developed a GUI in React.js for a critical widget used directly by the business team, improving user experience.
- Successfully migrated legacy entitlements to new strategic entitlements in the backend(Java Spring Boot), enhancing system security and access control for the widget feature.
- Worked effectively in a team environment, actively participating in meetings and contributing to project discussions.

•**Research Intern** — *Sep 2022 - June 2023*
*Samsung Prism* — Remote

- Utilized transfer learning from TensorFlow Zoo models to develop deep learning model to detect region of interest from images and predict e-commerce products.
- Successfully prepared a labeled dataset comprising 1500 images encompassing diverse e-commerce products.

## TECHNICAL SKILLS AND INTERESTS

**Languages**: C/C++, Python, Javascript, HTML+CSS
**Framework & Libraries** : ReactJs, Nodejs, Django, Flask
**Web Dev Tools**: Npm/Yarn, VScode, Git, Github
**Cloud/Databases**:MongoDb, Firebase, Relational Database(PostgreSQL), AWS
**Relevant Coursework**: Data Structures & Algorithms, Object Oriented Programming, Operating Systems, Database Management System, Software Engineering.
**Soft Skills**: Problem Solving, Self-learning, Team work Presentation, Adaptability
**Interests**: Web Development, Machine Learning, Competitive Programming, Financial & Derivative Markets

## PROJECTS

•**Hostel Cleaning Management System: Ding-Dorm**

*A web application through which hostel residents can request room cleaning services, build using ReactJs, NodeJS & PostgreSQL.*

- Implemented real-time notifications to alert the cleaning staff about pending cleaning requests.

•**Twosome Conundrum**

*A murder mystery event website, "Twosome Conundrum" as part of IIChe TIET's organizational activities.*

- Implemented main features allowing participants to request clues, and the admin to grant access to specific clues.
- Effectively hosted the frontend and backend cloud parts on different platforms, showcasing proficiency in server-side setup and deployment.
- Utilized technologies such as Node.js, MongoDB, React.js, and Mongoose to deliver a seamless user experience.

•**Medical Insurance Cost Predictor**

*A web application to predict medical insurance costs based on client details using Flask, a Python web framework.*

- Implemented a machine learning model in Python to analyze client information, including age, sex, and other relevant features, to provide accurate cost predictions.
- Collaborated with a team to design and deploy the web application, emphasizing user-friendly interface and efficient model predictions.

## POSITION OF RESPONSIBILITY

•**Technical Head** Indian Institute of Chemical Engineers TIET — *Sep 2022 - May 2023*

- Organized and managed various events, including technical workshops, recruitment, and Twosome Conundrum.
- Demonstrated exceptional leadership and teamwork abilities while effectively managing a diverse team of 70+ members, delegating responsibilities, and fostering a collaborative environment.