

SHUBHAM MAHOBIA

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SUMMARY

Final-year B.Tech student specializing in Artificial Intelligence at Sage University, Bhopal, with 18+ months of experience as a Software Engineer Intern at Mitt Arv. Proficient in full-stack development using **React, Node.js, MongoDB, MySQL, and Flutter**, with hands-on experience in **scalable cloud deployments on Azure**. Skilled in **Machine Learning, Deep Learning, and Generative AI**, with expertise in **LLMs, NLP, RAG architectures, TensorFlow, and FAISS**. Developed **high-performance APIs**, **reducing response time by 20%**, and contributed to AI-driven applications that **improved model accuracy by 15%**. Passionate about **AI-powered solutions, cloud computing, and product scalability**.

EDUCATION

SAGE University Bhopal

B.Tech Computer Science AI and Data Science - 8.52/10

Bhopal, Madhya Pradesh, India

2021 - 2025 (Expected)

Servite Convent School

XIIth standard - 85%

Hoshangabad, Madhya Pradesh, India

2020 - 2021

TECHNICAL SKILLS

Programming Languages: Python, Java, JavaScript, Dart, SQL, HTML, CSS

Frontend Technologies: ReactJS, Flutter, Tailwind CSS, Bootstrap

Backend & Databases: Node.js, MongoDB, MySQL, Firebase, Flask

Artificial Intelligence & ML: Machine Learning, Deep Learning, NLP, Transformers, TensorFlow, Keras, FAISS, RAG, OpenAI, LLMs

DevOps: GitHub, Azure, Streamlit, CI/CD Pipelines

EXPERIENCE

Software Engineer Intern @Mitt Arv

January 2023 - November-2024

- * **Developed** and optimized the **Flutter-based frontend**, enhancing app responsiveness by **30%**, leading to a **25% increase in user engagement**.
- * **Implemented biometric authentication** (fingerprint, face recognition) and an **in-app feedback system**, reducing user drop-offs by **15%**.
- * **Engineered high-performance RESTful APIs** using **Node.js and MongoDB**, reducing API response time by **20%** and improving data exchange efficiency.
- * **Collaborated in Agile sprints**, leading to a **10% improvement in project delivery speed**.

PROJECTS

- **Retrieval-Augmented Generation (RAG) Application**
- **Built a RAG system** that achieved **85% response accuracy** by leveraging **FAISS-based vector search** and **OpenAI's GPT models**.
- **Optimized retrieval efficiency** by curating a domain-specific dataset, reducing irrelevant search results by **30%**.
- **Deployed using FastAPI & Streamlit**, ensuring a **seamless and interactive user experience**.
- [GitHub Link](#)
- **Nirog Bharat (01/2024 - 04/2024)**
- **Developed a full-stack telemedicine app** in **Flutter**, reducing consultation wait times by **40%**.
- **Integrated Firebase authentication** for secure user access, enhancing security compliance.
- **Implemented end-to-end encrypted chat, video calls**, ensuring **100% secure doctor-patient communication**.
- **Designed a disease prediction model** using **Decision Trees**, achieving **82% accuracy** in symptom-based diagnoses.

CERTIFICATION

- Excelled in IBM's Python for Data Science, AI & Development course, integrating advanced data analysis and AI techniques, which led to a 30% reduction in project completion time and improved data accuracy by 20%."
- Completed Stanford Online's "Supervised Machine Learning: Regression and Classification" course, mastering regression models, gradient descent, and overfitting prevention techniques, leading to a 15% improvement in model accuracy.