# ARHAAN GIRDHAR

+91 9650984445 | 17arhaan.connect@gmail.com | linkedin/arhaan17 | arhaanportfolio.in

## SUMMARY

*Software developer with experience building data-focused and AI-driven applications in Python, Java, and JavaScript. Strong foundations in data structures, algorithms, and backend development, with hands-on work on large-scale projects and automation. Skilled in designing end-to-end solutions using modern frameworks, APIs, databases, and DevOps practices to deliver reliable and scalable software.*

## EDUCATION

**Manipal Institute of Technology, Manipal**                                        **Aug 2022 - Aug 2026**

- B.Tech in Computer Science and Engineering ( AI & ML )
    - *Relevant Courses : Operating Systems, Data Structures, Algorithms, Object Oriented Programming, Artificial Intelligence, Software Engineering, Machine Learning, Computer Vision, Deep Learning, Reinforcement Learning, Database Management, Parallel Programing, Web Development.*

## TECHNICAL SKILLS

**Programming Languages:** C/C++, Java, Python, SQL (MySQL, PostgreSQL, SQLite)

**Libraries:** NumPy, Pandas, Matplotlib, Scikit-learn, PyTorch, TensorFlow, SciPy, OpenCV

**Frameworks:** React Native, Next.js, Node.js, Django, Flask, Spring Boot, FastAPI, REST APIs, WebSockets,

**DevOps:** Docker, Git, GitHub Actions, AWS (EC2, S3, RDS), Azure, DigitalOcean, CI/CD

## WORK EXPERIENCE

**Artificial Intelligence & Machine Learning Intern** | Concur IP ( A Questel Company )                **May 2025 - Jul 2025**
- Built and deployed ML-assisted scraping pipelines that automated counterfeit monitoring across 20+ global platforms, enabling protection for 15+ brands and reducing manual review time by 75%.
- Executed advanced filtering algorithms that improved detection accuracy by 40%, enabling quicker identification of IP violations, reducing false positives, and decreasing enforcement team response time by 30%.

## PROJECTS

**IPMS Simulator** | Personal Project                                                              **LINK**
- Implemented a Python + SQL pipeline that migrated 7,500+ legacy records (clients, patents, trademarks, deadlines) from MySQL to PostgreSQL, enforcing schema, business, and referential integrity checks with complete audit logging.
- Programmed end-to-end data quality controls that standardized formats, eliminated duplicates, and reconciled cross-table references; surfaced and corrected inconsistencies, raising migration integrity to 95% and ensuring reliable downstream analytics.

**Ceaser Tool** | Questel                                                                          **LINK**
- Developed an AI-driven brand protection platform leveraging automated web scraping and scalable cloud backend to monitor 30+ global marketplaces and social platforms for logo detection and keyword filtering, enhancing online enforcement capabilities.
- Engineered machine learning inference pipelines powering real-time counterfeit detection and streamlined workflows, integrating sub-2s response dashboards and browser extension apps for actionable protection against brand abuse.

**Code Safe** | HackWithInfy                                                                       **LINK**
- Built an AI-powered vulnerability scanner that analyzes Python codebases with large language models to detect seven critical classes of security issues (RCE, SQLi, XSS, LFI, SSRF, AFO, IDOR) and output confidence-scored findings with remediation guidance.
- Developed both a FastAPI-based backend and a Next.js + React web UI, alongside a CLI tool (code_safe -r /path/to/project), delivering real-time scan progress, detailed reports, and containerized deployment with Docker and GitHub Actions CI/CD.

## CERTIFICATIONS

- **Meta Backend Developer** | *Meta* | **LINK**
- **Introduction to Generative AI** | *Google* | **LINK**
- **Generative AI with Large Language Models** | *AWS* | **LINK**
- **Foundations of AI and Machine Learning** | *Microsoft* | **LINK**

## ACHIEVEMENTS

- **Co-authored a research paper** on reinforcement learning for musculoskeletal modeling, applying AI to simulate human biomechanics.
- Achieved an All India Rank **(AIR) of 171** in the MET competitive exam.
- Led cross-functional teams in **5+ international hackathons**, including HackWithInfy, Bolt.new, and Adobe and many more.
- Conceptualized workshops on Python for IECSE Manipal, **teaching 50+ students** and increased club membership by 20 students.
- Delivered and hosted full-stack web applications for **five freelance clients** resulting in a client satisfaction score of 4.8/5.