



Harram Sattar

Software Engineer | AI & Full Stack Developer

Software Engineer with practical experience in AI-powered web applications, healthcare SaaS platforms, and Full Stack Development. Skilled in Python, JavaScript, MEAN Stack, RESTful APIs, database management, and SRS documentation. Experienced in Machine Learning and NLP concepts with hands-on experience building responsive and scalable web applications. Published researcher in Computational Biology and Bioinformatics with strong problem-solving and technical learning abilities. Strong understanding of software engineering, problem-solving, and scalable web application development.

✉ harram.sattar321@gmail.com

🌐 linkedin.com/in/harram-sattar-990b3b256

📞 03097104918

🔗 github.com/harramsattar321

EDUCATION

Bachelor of Science in Computer Science (BSCS)

Namal University, Mianwali, Pakistan

10/2022 - Present

3.60/4.00

Courses

- Artificial Intelligence(AI), Machine Learning(ML), Natural Language Processing(NLP), Software Engineering(SE), Web Development, Object-Oriented Programming(OOP), Operating Systems(OS), Database (DB)

Intermediate in Computer Science (ICS)

Superior College, Piplan, Mianwali

04/2020 - 04/2022

93.27%

Courses

- Computer Science, Math and Physics

PROFESSIONAL EXPERIENCE

Teaching Assistant – Programming Fundamentals, DLD & OOP

Namal University

Description

- Conducted 15+ lab sessions and assisted 50+ students in programming, debugging, OOP, and DLD concepts. Supported faculty in creating coding exercises and assessments while helping students improve problem-solving skills.

Graphic Designer & Finance Lead

Namal University Student Societies

Description

- Managed finance, logistics, and promotional designs for 5+ university technical events and coding competitions. Coordinated with organizing teams to ensure successful event execution and participant management.

RESEARCH PUBLICATION

Machine Learning-Based Classification of SARS-CoV-2 Structural Proteins Using Amino Acid Composition Analysis

Published in *Journal of Computing & Biomedical Informatics (JCBI)*, Vol. 10 No. 02, 2026. Research focused on machine learning-based protein sequence classification and bioinformatics analysis for SARS-CoV-2 structural proteins.

SKILLS

Programming Languages: Python, C++, JavaScript

Frontend: Angular, React.js(Basic), HTML, CSS

Backend: Node.js, Express.js, RESTful APIs

Databases: MongoDB, MySQL

AI & ML: Machine Learning, NLP, Prompt Engineering

PROJECTS

AI-Powered Virtual Patient Support Platform (FYP) (10/2025 - 04/2026)

- Developed an AI-powered healthcare SaaS platform featuring AI-based query handling, appointment scheduling, insurance support, and medical report summarization.
- Built RESTful APIs, responsive patient dashboards, and integrated the platform with a live hospital management system using MEAN Stack technologies.

Hospital Management Web Portal (10/2025 - 01/2026)

- Developed a role-based hospital management web application featuring doctor profiles, departments, diagnostic tests, and patient feedback modules.
- Implemented admin and doctor dashboards with analytics, feedback management, CRUD operations, and RESTful APIs using MEAN Stack technologies.

Coronavirus Protein Sequence Analysis (04/2025 - 06/2025)

- Performed machine learning-based analysis on 40,000+ SARS-CoV-2 protein sequences for biological pattern classification and predictive analysis.
- Applied data preprocessing, feature extraction, and classification techniques, contributing to published research in Computational Biology and Bioinformatics.

AWARDS & ACHIEVEMENTS

Competitive Programming Competitions

Participated in 3+ university-level coding and AI competitions focused on algorithmic problem-solving and prompt engineering.

Prompt Engineering Competition

Participated in 3+ AI and Large Language Model(LLM)-based prompt engineering competitions focused on optimizing AI-generated responses and interaction quality.

Finance & Event Management Lead

Managed finance, logistics, and coordination for university technical events and coding competitions, demonstrating leadership, teamwork, and organizational management skills.