AI/ML Intern – Software Development and Data Intelligence (Internship)

Company: Microsoft

Location: Bangalore / Hyderabad / Pune / Gurgaon / Chennai / Mumbai (On-site)

Qualification: B.E / B.Tech in CSE, ISE, AIML, ECE

About the Company: We are a forward-thinking AI-first tech company committed to building intelligent, inclusive, and real-world-impactful systems. Our internship program is designed to give students hands-on exposure to solving practical challenges using machine learning, data analytics, and full-stack development. We value curiosity, initiative, and a passion for responsible innovation.

Job Summary: As an AI/ML Intern, you will be part of a dynamic team working on cutting-edge projects involving NLP, resume ranking, chatbot development, and computer vision. You'll apply machine learning algorithms and real-time data analysis to practical problems, build intelligent user-facing applications, contribute to backend development using Flask and REST APIs, and collaborate with cross-functional mentors. This internship will let you experience the full AI product lifecycle—from prototyping to deployment—using Python, scikit-learn, SBERT, OpenCV, and HuggingFace Transformers.

Responsibilities: Implement and evaluate NLP and ML models using Python and libraries such as scikit-learn, SBERT, and Transformers, build similarity scoring systems for resume-job matching and profiling, contribute to chatbot development using Flask, OpenAI API, and real-time UI features, analyze structured and unstructured datasets using Pandas, NumPy, and EDA techniques, assist in REST API integration, frontend enhancements, and UI/UX design, collaborate with team members to research, plan, and build scalable features, participate in brainstorming sessions and present project progress clearly.

Experience & Skills: Strong programming skills in Python, experience in ML concepts like supervised and unsupervised learning, knowledge of NLP techniques including sentence similarity and text classification, hands-on project experience in resume ranking, chatbots, or attendance tracking systems, understanding of computer vision using OpenCV and MediaPipe, familiarity with REST APIs, HTML/CSS/JavaScript, GitHub, Google Colab, and Flask, ability to work in a collaborative environment, communicate effectively, and take ownership of tasks.

Nice to Have: Familiarity with SBERT, Word2Vec, and Transformers for sentence embeddings, exposure to RAG (Retrieval-Augmented Generation) techniques, basic understanding of generative AI and LLMs (e.g., OpenAI API), UI prototyping using Canva and responsive frontend design, knowledge of data visualization tools such as Matplotlib and Seaborn, interest in building systems with ethical AI and bias-free evaluation, leadership and soft skills developed through organizing events and mentoring peers , certifications from Google, Udemy, HackerRank, or LinkedIn Learning in Python, ML, SQL, and JS.

What We Offer: Chance to work on impactful global-scale projects. Mentorship from top AI researchers and engineers. Access to world-class tools, infrastructure, and learning resources. Inclusive and innovative culture with flexible work-life balance. Attractive compensation, joining bonus, and long-term growth.

Stipend: 47 LPA

No. of Openings: 5

Certification is Appreciated

⬜ Internal Only

Gender Preference:

Interview Candidates: 20

Reputed Colleges Only: No

GitHub Required: Yes