Ericsson R&D Bangalore

Job Description – Student Interns (AI & ML)

Ericsson Overview:

Ericsson is world's leading provider of communications technology and services. Our offerings include services, consulting, software and infrastructure within Information and Communications Technology.

Using innovation to empower people, business and society, Ericsson is working towards the Networked Society: a world connected in real time that will open up opportunities to create freedom, transform society and drive solutions to some of our planet's greatest challenges.

We are truly a global company, operating across borders in over 180 countries, offering a diverse, performance-driven culture and an innovative and engaging environment. At Ericsson, you will have freedom to think big and the support to turn ideas into achievements. Continuous learning and growth opportunities allow you to acquire the knowledge and skills necessary to progress and reach your career goals. We invite you to join our team.

Exciting Opportunity:

It will be practically impossible for human brains to understand how to run and optimize next generation of wireless networks, i.e., 5G network with distributed edge compute, that will drive economic and social transformation for all aspects of society. **Machine Learning (ML)** and other **Artificial Intelligence (AI)** technologies will be vital for us to handle this opportunity.

Machine Intelligence, the combination of Machine Learning and other Artificial Intelligence technologies is what Ericsson uses to drive thought leadership to automate and transform Ericsson offerings and operations. MI is also a key competence for to enable new and emerging business. This includes development of models, frameworks, and infrastructure where we in our advancements push the technology frontiers. We engage in both academic and industry collaborations and drive the digitalization of Ericsson and the Industry by developing state of the art solutions that simplify and automate processes in our products and services and build new value through data insights.

Ericsson R&D teams work on cutting edge technologies (including Generative AI, Trustworthy AI, Computer Vision, etc.) implementing to implement AI/ML solutions for telecom and networking.

Ericsson is now looking for **Student Interns** to join our teams in **Bangalore**.

Position

Student Intern, Reporting to a Manager at Ericsson R&D.
Typical Tenure: **6 months or 12 months**
Location: **Bangalore**

Role Summary

As an **Intern,** you shall be a part of our growing team of Data Scientists, Data Engineers, ML Engineers and Software Engineers. You shall **support** our software developers, database architects, data analysts and data scientists on the ongoing projects in AI/ML.

Key Responsibilities:

- Responsible for development, support, maintenance and implementation of small to medium non-complex components of a project module, including GUI or Web UI applications.
- Works on problems of limited scope, through usage of standard programming concepts and principles.
- Works under supervision/ guidance with frequent review of accomplished objectives. Participates on a project team of engineers involved in software development.
- Designs, develops, enhances, maintains and documents assigned modules of a comprehensive product suite.
- Create tool chains for analytics and data scientist team members that assist them in building and optimizing our product into an innovative industry leader.
- Work with data and machine learning experts to strive for greater functionality in our data and model life cycle management systems.
- Produces code within quality and coding standards following standard coding design processes and procedures/guidelines.
- Develops basic understanding of current product suite and provides ideas for improvement.
- Develops well-defined modules; and performs well-defined unit, product level and dev. tests.
- Carries out other related tasks and projects as required.
- Makes routine technical decision with clearly defined parameters but consults with other developers or Senior Engineers.
- Follows specific, detailed instructions and or/or standard practices and policies.
- Demonstrates self-organizational and planning skills.

Key Qualifications:

- **B.E./B.Tech./M.E./M.Tech.** in **Computer Science** or **related** disciplines from any of the reputed institutes.
- **First Class with Distinction**
- Strong/solid grasp of software design/development and debugging skills of assigned modules of a comprehensive product suite.
- Requires theoretical and working knowledge of programming and scripting languages
- Expected to develop domain knowledge along with technical/ proprietary skills.
- Good grasp of software design/development and debugging skills of assigned modules
- Exposure to any of the following would be a plus:
    - Hadoop, Spark, Kafka,
    - Relational SQL and NoSQL databases, including Postgres and Cassandra.
    - Object-oriented/object function scripting languages: Python, Java, C++, Scala, etc.
- Strong analytic skills related to working with unstructured datasets.
- Exposure to GUI / Web UI technologies.
- Familiar with agile development and lean principles.
- Contributor or owner of GitHub repo.
- Experience supporting and working with cross-functional teams in a dynamic environment.
- Good communication skills in written and spoken English
- Creativity and ability to formulate problems and solve them independently