ARUNAGIRINATHAN K

Pre-final Year B.Tech AI & Data Science Student | Aspiring Software Engineer | Building AI-Powered Solutions

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PROFILE

Aspiring Data Scientist and Full Stack Developer with a strong foundation in Artificial Intelligence and Data Analytics, currently pursuing B.Tech in AI & Data Science. Seeking opportunities to apply my technical skills, analytical thinking, and problem-solving abilities in innovative projects and roles that drive real-world impact, particularly in the domains of AI, Cloud Computing, and Data Science.

WORK EXPERIENCE

2nd July - 16th July
IT Intern - TNPL
- Learned ERP systems and Oracle Database 9i understanding business process workflows.

May 2025 - July 2025
SDE Intern - Bluestocks
- Developed and optimized web components for a fintech trading analytics dashboard using React.js and Node.js.

PROJECTS

AI Resume Analyzer – NLP, Flask, PDF Parsing (link)
- Developed a web tool to analyze resumes and optimize them for Applicant Tracking Systems using NLP.
- Features: skill extraction, job-resume keyword match, feedback generation, visual resume analysis.

Mathematics of Artificial Neural Networks – Python, MNIST, MLP (link)
- Built 10 foundational ANN projects from scratch using Python and NumPy to deeply understand the mathematical principles behind neural networks, including backpropagation, activation functions, and loss optimization.

Text Classification using NLP – Python, Scikit-learn (link)
- Designed a pipeline for sentiment/topic classification using bag-of-words and logistic regression.
- Improved classification accuracy using feature engineering and stop-word filtering.

EDUCATION

2023 - 2027
M.KUMARASAMY COLLEGE OF ENGINEERINGKARUR,
- B.Tech in Artificial Intelligence and Data Science

SKILLS

- **Languages:** Python
- **Tools and Frameworks:** JupyterNotebook, Power BI, Matplotlib, SQL, Apache Spark, Tableau.
- **AI&ML:** scikit-learn, OpenAI API, PyTorch (basic), NLP (spaCy, NLTK)
- **Technical skills:** Data Analysis, Statistical Analysis , Data Visualization ,Excel.
- **Version Control**: Git & GitHub
- **Soft Skills:** Effective communication, teamwork, adaptability.

ACHIEVEMENTS & EXTRACURRICULARS

- Hacker Rank Badges in Python and Java.
- Open Source Contributor on Git Hub.
- Participated in Hackathon events.

CERTIFICATIONS

- Google Data Analytics Professional Certificate (Coursera)
- IBM Data Analyst Professional Certificate (Coursera)
- AWS Cloud Practitioner Architecture (Forage)
- SQL for Data Science (Coursera)