

Arjun Neema

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Professional Summary

Computer Science Engineering undergraduate (Data Science specialization) with hands-on experience in Python, Java, Spring Boot, data analytics, and secure API development. Experienced in backend engineering, workflow automation, geospatial data processing, and dashboard-driven analysis. Seeking a Software Engineering / Backend / Data Analysis internship to build scalable, reliable, and data-driven systems. Analytical Software Engineering Intern commended for outstanding knowledge of software development lifecycles. Outgoing individual committed to finding simple solutions to complicated problems and forming excellent working relationships. Passionate about learning new technologies and concepts.

Technical Skills

- Java
- Python
- JavaScript
- Spring Boot
- Apache NiFi
- Machine learning
- MySQL
- Tableau
- Power BI
- Data Analysis and Analytics

Internship Experience

Software Engineering Intern

05/2025 – 07/2025

Vision Waves

- Designed and developed a custom Apache NiFi processor to generate videos from text prompts using multiple AI models.
- Implemented failover handling, retry mechanisms, and pipeline optimizations to improve reliability.
- Built structured logging and observability for monitoring distributed workflow execution.
- Developed a metadata-driven API execution framework enabling dynamic API invocation.
- Integrated Quartz Scheduler for time-based and recurring API executions.
- AI-Powered Workflow Automation Engine
- Tech Stack: Java, Spring Boot, Apache NiFi, REST APIs, Quartz Scheduler

Education

B.Tech: UPES - Computer Science Engineering (Data Science)

Expected in 04/2027

Dehradun

- Completed online course on Data Science for professionals by IBM.

Websites, Portfolios, Profiles

- <https://www.linkedin.com/in/arjun-neema-226a81137>
- <https://github.com/arjunneema09>

Projects

Crop yield prediction - built a machine learning model to predict crop yield using environmental and agricultural parameters, performed data cleaning, feature selection, and exploratory data analysis (EDA), evaluated model performance using regression metrics, Python, Pandas, NumPy, Scikit-learn, and Matplotlib.

Road accident analysis (England) - Tableau, analyzed road accident data in England to identify trends by severity, location, and time, designed an interactive Tableau dashboard for visual exploration, and highlighted high-risk regions and accident patterns

NBA player performance prediction: developed a predictive model to forecast NBA player statistics for the next season, conducted historical performance analysis, feature engineering, and trend evaluation, applied statistical and machine learning techniques for prediction, using Python, Pandas, NumPy, and EDA

Evaluating India's gains from the China+1 strategy and supply chain diversification (2019-2024), I analyzed India's export-import trends to assess gains under the China+1 strategy, evaluated sector-wise (HS2) dependency diversification and trade volatility, built an interactive Power BI dashboard to visualize trade flows, sector concentration, and growth, and derived insights on supply chain risks and manufacturing competitiveness through Power BI data analysis and trade data visualization

Additional Highlights

- Strong foundation in backend engineering and data science
- Experience working with large datasets and distributed workflows
- Fast learner with strong analytical and problem-solving mindset

Social Internship

Assistant Mathematics Mentor, Taught foundational mathematics to underprivileged students., Developed strong communication, mentoring, and leadership skills.