

Amulya K R

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Profile

Enthusiastic AI and Software Engineering student with hands-on experience in building and optimizing machine learning models. Passionate about solving complex problems and creating impactful solutions in fast-paced environments. Quick learner with a multidisciplinary background and strong foundation in modern technologies.

Areas of Expertise

Artificial Intelligence, Machine Learning, Data Analysis, Data Visualization, Deep Learning, Python, Power BI, Database Management, SQL, Statistics, Java, C, HTML, CSS

Professional Experience

- Data Science Intern, (Evoastra Ventures)** Karnataka, India 07/2024 - 08/2024
- Developed a Python-based web scraping solution to extract car details from Cars24.com, ensuring structured data storage in CSV format for analysis.
 - Conducted exploratory data analysis (EDA) for credit risk analytics, identifying critical factors influencing loan defaults, enabling informed business decisions.
 - Utilized technologies including Python, Pandas, NumPy, BeautifulSoup, Matplotlib, and Seaborn to derive insights and support data-driven strategies.

Projects

- Credit Risk Analytics, (Bondora Bank)** Karnataka, India 07/2024 - 08/2024
- Developed a predictive tool to assess loan default risk using Exploratory Data Analysis (EDA) and machine learning techniques.
 - Technologies: Pandas, NumPy, Matplotlib, Seaborn, Scikit-Learn, Logistic Regression, Decision Trees, Random Forest.
 - Identified key factors influencing loan defaults; improved risk assessment, enhancing lending decision-making.
- QR Code-Based Smart Office Seat Allocation System, (Hack-A-League)** Karnataka, India 02/2025 - 02/2025
- Developed an efficient office seat allocation system using QR codes to optimize space utilization and track real-time occupancy.
 - Technologies: HTML, CSS, JavaScript, React.js, Python(Flask), PostgreSQL, MySQL, WebSockets, qrcode Python library.
 - Enabled seamless seat booking, real-time tracking, and power/water consumption monitoring, reducing operational costs.
- AI-Powered Online Exam Proctoring System, (NeoForgeAI)** Karnataka, India 03/2025 - 03/2025
- Developed an AI-driven system to monitor and detect cheating behaviors during online examinations, ensuring academic integrity.
 - Technologies: Python, OpenCV, TensorFlow, Keras, Flask, JavaScript, HTML/CSS.
 - Achieved real-time detection of cheating behaviors, enhancing the credibility and security of online assessments.
- Iris Flower Classification Model, (Iris Classifier)** Karnataka, India 03/2025 - 03/2025
- Developed a machine learning model to classify Iris flowers into three species—Setosa, Versicolor, and Virginica—based on sepal and petal measurements.
 - Technologies: Python, Jupyter Notebook, Scikit-Learn, Pandas, NumPy, Matplotlib, Seaborn.
 - Achieved high classification accuracy, effectively distinguishing between the three Iris species, demonstrating model reliability.

Key Achievements

- The Great Bengaluru Hackathon, (NeoForgeAI)** Bengaluru, Karnataka, India 15/03/2025 - 16/03/2025
- Hackathon Participant — Team Name: Debug Dynasty.
 - Among 4,200+ registrations and 1,200+ idea submissions, secured a spot in the top 150 shortlisted teams.
 - Successfully built an AI-Powered Online Exam Proctoring System to enhance exam integrity by detecting cheating behaviors using machine learning.
 - Integrated real-time monitoring and a user-friendly dashboard for seamless proctoring and live analytics.
- Hack-A-League 3.0 (SmartQR Seat Allocator)** Bengaluru, Karnataka, India 01/02/2025 - 02/02/2025

- Hackathon Participant — Team Name: AI Alchemists
- Successfully built a QR Code-Based Smart Office Seat Allocation System to streamline office space management by enabling real-time seat booking, occupancy tracking, and resource optimization

Online Courses & Certifications

- Introduction to Data Science (Aug. 2024) - [Infosys Springboard](#)
- Introduction to Natural Language Processing (Aug. 2024) - [Infosys Springboard](#)
- Generative Models for Developers (Aug. 2024) - [Infosys Springboard](#)
- Introduction to OpenAI GPT Models (Aug. 2024) - [Infosys Springboard](#)
- Deep Learning for Developers (Jun. 2024) - [Infosys Springboard](#)

Education

B.E. in Computer Science (AI & ML) *JSS Academy of Technical Education* **Bengaluru, Karnataka** 2022-2026
CGPA: 7.67 (Till 5th Semester)
Relevant Courses: Artificial Intelligence, Database Management, Data Structures, Analysis and Design of Algorithms, Programming Languages (Python, C, Java), Data Analysis, Machine Learning, Data Science.

Skills

- **Programming Languages:** C, Python, Java
- **Libraries, Tools & Packages:** NumPy, Pandas, Matplotlib, Scikit-learn, Keras, OpenCV, Excel
- **Platforms:** Jupyter Notebook, Google Colab, MySQL, GitHub, Visual Studio Code
- **Machine Learning:** Decision Tree, Random Forest, Logistic Regression
- **Database Management:** SQL Queries, MySQL
- **Data Visualization:** Microsoft Power BI, Excel, Matplotlib, Pandas
- **Soft Skills:** Teamwork, Communication, Problem-Solving, Leadership, Agile Methodologies, Presentation, Planning, Organization, Creative Problem-Solving, Active Listening, Adaptability, Analytical Thinking

Extracurricular Activities

- E-Cell IIT Bombay** *National Entrepreneurship Challenge (NEC)* 08/2024 - 12/2024
- Gained hands-on experience in entrepreneurship by developing and pitching innovative business ideas.
 - Organized Aadi Antha Prerna, a startup pitch competition, and enhanced entrepreneurial and leadership skills.
- E-Cell IIT Bombay** *Campus Ambassador* 07/2024 - 12/2024
- Promoted entrepreneurial events, workshops, and initiatives on campus to foster participation.
 - Collaborated with faculty and peers to strengthen the entrepreneurial ecosystem and ensure seamless execution of campus events.
- Infosys Springboard** *Pragathi: The Path to Future* 07/2024 - 11/2024
- Participated in a 12-week career development program focused on digital skills and career readiness.
 - Gained critical thinking, analytical abilities, and professional mentorship through online and offline sessions.

Languages

- **Kannada** [Native]
- **English**[Fluent]
- **Telugu**[Fluent]
- **Hindi** [Basic] - Learning