

# DEVA PRASATH R

📍 Salem

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## Career Objective

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Cloud and AI Engineer skilled in Python, Generative AI, LLMs, AWS, and Kubernetes. Developed scalable GenAI projects and deployed containerized applications on AWS during internships. Strong academic record (CGPA 8.71) with award-winning AI projects.

## Education

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- **Bannari Amman Institute of Technology** UG (2021 - 2025)  
BTech. Information Technology  
CGPA: 8.71
- **SRK Matriculation Higher Secondary School** (2020 - 2021)  
HSC – Computer Science  
Percentage: 95.5%
- **Holy Cross International School** (2018 - 2019)  
SSLC  
Percentage: 95.2%

## Internship Experience

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**Intersect IQ** *System Engineer Intern — Apr 2025 - Jun 2025*

- Annotated image datasets using Labelme and built pipelines to automate preprocessing.
- Developed models to improve object tracking accuracy across classes.
- Worked with Python, Computer Vision, and automation tools.

**Nipurna IT Solutions** *Trainee in SAP byDesign — Jan 2023 - Feb 2023*

- Worked with SAP byDesign modules such as Purchase Order, Sales Order, etc.
- Helped to create custom features using SAP Cloud Application Studio.

## Projects

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- **Automated Resume Reviewer** *Role: Developer*  
Built a Streamlit application to analyze resumes using PyResparser for skill extraction. Recommended certification courses based on extracted skills. Implemented scoring to evaluate resume quality.  
**Technologies:** Python, Streamlit, PyResparser
- **Movie Recommendation System** *Role: Developer*  
Developed a content-based movie recommender using Python, Pandas, and Scikit-Learn. Implemented text vectorization and cosine similarity for recommendation generation. Built a user-friendly interface using Streamlit.  
**Technologies:** Python, Pandas, Scikit-Learn, Streamlit

- **2048 Game on AWS EKS with ALB Integration** *Role: Developer*  
Deployed the 2048 game on Kubernetes (EKS) using AWS VPC, IAM, EKS, and Ingress. Configured ALB (Application Load Balancer) Controller for routing and scaling. Implemented access control via custom roles and policies.  
**Technologies:** AWS, Kubernetes, EKS, ALB
- **Healthly (Patent Idea) – Allergen Food Detection App** *Role: Developer*  
Proposed an AI-based system to identify food allergens using computer vision. Designed for individuals with severe food allergies to ensure safety when dining.  
**Technologies:** Python, OpenCV

## Technical Skills

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- **Programming:** Python, SQL, Java
- **Tools/Framework:** Langchain, Langfuse, Openai-SDK, AWS, Docker, Kubernetes,
- **Areas of Interest:** Data Science, Generative AI, Cloud Computing

## Achievements

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- **Best Paper Award** – International Conference on Handwritten Text Recognition.
- **Runner-up** – National Level Hackathon conducted by PSG.
- **First Prize** – Internal Data Science Datathon (BIT).

## Certifications

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- AWS Cloud Essentials – Amazon Web Services
- Python for Data Science – Cognitive AI
- Supervised Machine Learning – Coursera
- Java Programming – NPTEL

## Extracurricular

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- Skill Trainer – Mentored first-year students in technical skills.
- English Club Secretary – Organized events for BIT English Leap Club.
- IEEE Club Member – Volunteered in technical events.

## Languages

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- English – Read, Write, Speak
- Tamil – Read, Write, Speak
- Hindi – Read, Write