

Aarya Ashok Kumbagowdana

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SUMMARY

DevOps Engineer skilled in **cloud technologies**, **automation frameworks**, and **CI/CD pipelines**. Proficient in **Python**, **Java**, **AWS**, **Docker**, and **Apache Kafka**, with a strong foundation in **Agile methodologies** and **system design**. Experienced in optimizing deployments, enhancing performance, and delivering measurable results.

EDUCATION

Vellore Institute of Technology Integrated M.Tech in Computer Science and Engineering	Sep 2021 – Present <i>GPA: 8.99</i>
Nehru Smaraka Vidyalaya Higher Secondary School Certificate (Class XII CBSE)	Jun 2019 – May 2021 <i>Score: 89%</i>
Sri Kumaran's Public School 10th Indian Certificate of Secondary Education (ICSE)	Mar 2018 – Apr 2019 <i>Score: 93%</i>

PROFESSIONAL EXPERIENCE

Deep Learning for Epilepsy Detection <i>Research Project</i>	Vellore, Tamil Nadu Feb 2024 – Present
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- Engineered a deep learning model using PyTorch, trained on the CHB-MIT dataset containing **23 patient records spanning 60GB of .edf files**.
- Designed and implemented **Feedforward, Recurrent, and LSTM Neural Networks** for seizure detection.
- Collaborated with medical professionals during the project's initial stages to refine system requirements and understand challenges.

Toyota Kirloskar Motors <i>Intern</i>	Bengaluru, Karnataka Jun 2024 – Dec 2024
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- Bulk Notification System:** Designed a load-balanced API architecture using Apache Kafka to handle high traffic loads, reducing message delivery latency from **1 day to 1 hour**.
- Automated Testing:** Automated over **100 test cases** using Katalon Studio, allowing weekly releases and reducing testing time from **3 days to 2 hours**.
- Streamlined deployment processes, doubling deployment frequency from **2 deployments/month to 4 deployments/month**, with insights applicable to future projects.
- Applied Agile methodologies and JIRA, improving sprint estimation accuracy and collaboration.

IT Futurista <i>Freelancer</i>	Bengaluru, Karnataka Aug 2023 – Nov 2023
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- Revamped and launched a responsive single-page website using HTML, CSS, JavaScript, and TailwindCSS, driving a **32% increase in website traffic**.
- Optimized UI and streamlined content layout, resulting in a **15% reduction in bounce rate** and a **20% improvement in user engagement time**.
- Applied SEO best practices, improving search engine rankings by **12 positions**.

Langoor <i>Intern</i>	Bengaluru, Karnataka May 2023 – Jul 2023
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- Developed **TaskNet**, a Kanban-based task management system that uses Django, that integrates project tracking, user roles, and real-time chat.
- Enhanced monitoring and productivity across **3 projects with 5 team members each**, introducing real-time updates and streamlined workflows.
- Improved task management efficiency, boosting team productivity by **20%** and reducing project completion time by **50%**.

SKILLS

Cloud & DevOps:	Amazon Web Services, Azure, Docker, GitHub Actions, Katalon Studio, CI/CD
Programming Languages:	Python, Java, Bash, HTML, CSS, Go
Frameworks and Libraries:	Django, AngularJS, NestJS, PyTorch, NumPy, Pandas
Databases:	PostgreSQL, MongoDB, MySQL
Machine Learning:	PyTorch, HuggingFace, Scikit-learn, Deep Learning, Neural Networks

ACHIEVEMENTS

Foundations of Project Management <i>Google</i> – Gained proficiency in project management skills, methodologies, and organizational impacts.	Sep 2024
Google AI Essentials <i>Google</i> – Specialized in the use of generative AI for improved decision making.	Sep 2024
AWS Solutions Architecture Job Simulation <i>Forage - AWS</i> – Designed a scalable architecture using Elastic Beanstalk to address performance challenges.	Aug 2024
Co-Organizer, Yantra24 InnovationX Hackathon <i>Advertising and Marketing Club, VIT</i> – Co-organized a national-level hackathon, attracting more than 400 participants. Managed event logistics, promotion, and coordination with sponsors and participants.	Mar 2024