

ABHIJNYA K G

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EDUCATION

Syracuse University

Master of Science(M.S), Computer Science

Aug 2024 - May 2026

Syracuse, NY

BMS College of Engineering

Bachelor of Engineering(B.E), Computer Science- - 9.54/10

Aug 2018 - Jun 2022

Bangalore, India

TECHNICAL SKILLS

Languages: C++, Java, Python, SQL, HTML/CSS, XML, JavaScript, PHP, Groovy, Data Structures

Databases: MySQL, PostgreSQL, MongoDB

Data Visualization: Tableau, Power BI, Grafana

Developer Tools: VS Code, GitHub, GitLab, Jira, Docker, Jenkins, Hadoop, Grafana, Tableau, Power BI, AWS

Technologies/Frameworks: Linux, React.js, Node.js, Angular, Django, Express.js, Bootstrap, Flask, Agile Methodologies

Certifications: SQL(Advanced) by Hackerrank, Power BI Essentials by NASBA, AWS Cloud Technical Essentials by AWS

EXPERIENCE

Data Analysis Engineer

Aug 2022 - Aug 2024

Mercedes Benz Research and Development

Bangalore, India

- Completed a 10-month Graduate Engineer Trainee role with top performance, earning promotion to Engineer.
- Received BRONZE star award for driving customer-centric strategies, executing three critical service enhancements, boosting customer loyalty and positive feedback rates.
- Boosted project efficiency by 30% and expedited timely delivery by applying Agile principles and coordinating closely with stakeholders to refine requirements.
- Performed rigorous data validation and quality checks for car sensor data using Python, achieving 99.9% accuracy and enhancing the reliability of Electronic Control Unit (ECU) data.
- Built a CI/CD dashboard with AWS CodePipeline and CodeBuild, enabling tracking of frequent failures, identifying root causes, and analyzing patterns, improving troubleshooting efficiency by 80% and reducing deployment issues by 30%.
- Led deployment of Power BI, Grafana and PostgreSQL to craft and build informative dashboards for over 90 requirements, enabling stakeholders to monitor and analyze key metrics in real-time.
- Integrated SYS and SWE process models into dashboards to effectively track Key Performance Indicators throughout requirements analysis, design, and testing; achieved a 25% improvement in project delivery timelines.

Student Trainee

Mar 2022 - Jun 2022

Mercedes Benz Research and Development

Bangalore, India

- Researched and evaluated 5+ Static Code Analysis tools for Automotive Software Development, resulting in a 60% improvement in code quality.
- Evaluated and compared strengths and weaknesses of two prominent tools, Astree and Coverity, offering a detailed analysis of each one's advantages and disadvantages.
- Conducted comprehensive functional testing of the Coverity tool and identified 20+ advantages through collaboration with the Coverity team.

Research Intern

Nov 2020 - Apr 2021

Samsung RD Institute

Bangalore, India

- Implemented a voice-enabled Literary Info Bixby capsule that provides users with information in three categories: books, authors, and literary events, improving user experience by delivering accurate and swift responses.
- Established a structured capsule for Bixby AI, defining key use cases, developing tailored models, and crafting user dialog layouts, serving as a reference for 3+ project teams within the Samsung PRISM program.

PROJECTS

Handwritten maths solver | *Python, Keras, CNN, Tensorflow, Machine Learning, Flask*

Aug 2021 - Sep 2021

- Led a team of three members in achieving a high accuracy rate of 97-99% in recognizing handwritten alphabets and numbers, demonstrating robust performance across diverse handwriting styles and sizes.
- Engineered a model that predicts results for handwritten mathematical equations with up to 99% accuracy, effectively handling a wide range of mathematical problems and showing potential for solving more complex equations.
- Utilized advanced technologies, including Python, TensorFlow, Keras, and various machine learning libraries, to build and train a model on a dataset of 10,000 images, ensuring reliable and precise recognition and prediction capabilities.

PUBLICATIONS

Dr.Pallavi G.B; Dr. Latha N R; Divyakriti; Abhijanya K.G; Ankitha. Women Safety Gadget-Safety First; Volume 7, Issue 3, March – 2022. Published by: International Journal of Innovative Science and Research Technology