KRISHNA PRAKASH K R

Engineer Yield Engineering
Full Stack Developer

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D.O.B: 19 October 1997

EXPERIENCE

- **Engineer Yield Engineering, JL4, GlobalFoundries Engineering pvt ltd, Bengaluru.** *Oct 2022 – present*

  Experience in Systematic yield monitoring and root cause analysis using data analysis techniques. Developing automated dashboards for mass production line signals and early containment actions. Developing Production line optimization tools with user friendly interface which engineers can interact and make use of root cause analysis in semiconductor fabrication layers.

- **Intern, GlobalFoundries Engineering pvt ltd, Bengaluru.** *Mar '22 – Sept '22*

  Incorporating Application development based on data analytics with Industry level Semiconductor fabrication process. This helped team to change from manual signal capturing to automated dashboards.

- **Proprietor, carePLUS, incubated by KUBIIC Student Start up programme,**

  University of Kerala *June '22*

  Experience in co-ordinating and building a team for implementing a healthcare based Android application. Successfully launched prototype model and completed initial social survey by leading a team of students.

EDUCATION

- Post Graduation as **Master of Science in Physics**: University of Kerala (UoK) *2022*
- Higher secondary education in **Science, Mathematics and Computer science** stream, Board of Higher Secondary Examinations, Kerala *2016*

SKILLS & KNOWLEDGE

- Production yield monitoring and root cause analysis in mass production system using data analysis tools – R & SPC (Systematic process control).
- Experience in developing attractive *UI interfaces* and efficient data handling platforms.
- Experience in building automated dashboards and data monitoring tools for mass production in *Object oriented programming* concept.
- Full stack development using *HTML, Cascading Style Sheets (CSS), Tailwind CSS, Bootstrap, JavaScript, DOM (Document Object model) Node.js, Next.js, Express.js, MongoDB, React.js, Rest API, Axios, Amazon web services, MySQL, Version control using Git.*
- Data Analytical skills, interpretation techniques, representation and communication skills (*MS Excel/ Python-pandas/ Power BI*).
- Experience in development and deployment of web apps to *AWS EC2, AWS Amplify (version controlled by Github), AWS Elastic Beanstalk in IAM roles.*
- *Infographics for Ad boards, posters and presentations using Adobe CC*
- *Prototype designs using Figma UI.*
- Advanced Microsoft office.
- Experience in working with globally collaborated team.
- Experience in collaborating with team developing and implementing updated methodologies for improving data monitoring system in persisting platforms and tools.
- *Proficiency in Additional Programming languages of C, C++, Python and R*

ACHIEVEMENTS / COURSES / CERTIFICATIONS

- Founded and Proprietor of 'care PLUS' being selected in and incubates by KUBIIC Student Start up programme by University of Kerala

Online courses completed: Course in Cybersecurity Roles, Processes and Operating System security, certified by IBM Co-operation, Coursera Fundamentals of Digital Marketing, certified by Google | Crash course in Python | Certified by Google, Coursera | AWS Cloud Practitioner Essentials, AWS | Foundations of User Experience (UX) Design, Certified by Google, Coursera

LANGUAGES: English, Malayalam, Hindi.

INTERESTS : Physical Sciences, Computer science, Technology, Travelling, Trading

HOBBIES : Web development, Building RC Planes and trucks / Arduino Robotics, Football, Plane spotting, Reading Popular science, Badminton.