

KRISHNA PRAKASH K R

Software Engineer, Yield Engineering

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Permanent Address

Kottinattu House, Muttom PO, Haripad,
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Current residential Address

No 66, St Antony layout, Mariyannapalya,
Bengaluru, Karnataka, IN. PIN 560 024

D.O.B: 19 October 1997

EXPERIENCE

- Software Engineer - Yield, JL4, GlobalFoundries Engineering pvt ltd, Bengaluru.** Oct 2022 – present
Experience in developing automated dashboards and tools for mass production line signal detection and early containment actions. Systematic yield monitoring and root cause analysis using data analysis techniques. 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
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 '21 - Mar '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

- Full stack application development – MERN tech stack - HTML, CSS, SCSS, Webpack, Tailwind, Bootstrap, JavaScript, DOM (Document Object model), Node.js, Express.js, MongoDB, React.js, Next.js, Rest APIs, Axios, Amazon web services, SQL, Version control using Git.
- Experience in development, deployment and managing of web apps leveraging Amazon micro services – EC2, Amplify, Lambda, Elastic Beanstalk, S3, SQS, Dynamo DB, ELB, RDB via IAM role.
- Proficiency in Programming languages of C, C++ and data manipulation using Python and R.
- 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** model.
- Production yield monitoring and root cause analysis in mass production system using data analysis tools of SPC (Systematic process control).
- Data Analytical skills, interpretation techniques, representation and communication skills (MS Excel/ Python-pandas/ Power BI).
- 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 working in shifts following every day pass downs.
- Experience in collaborating with team developing and implementing updated methodologies for improving data monitoring system in persisting platforms and analysis tools.

ACHIEVEMENTS / COURSES / CERTIFICATIONS

- Founded and Proprietor of 'care PLUS' being selected in and incubates by KUBIIC Student Start up programme 2021 - 22 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

PROJECTS/WORKS

(<https://www.krishnaprakash.in/works>)

- Official Website, Department of Physics – University of Kerala | HTML/CSS/JavaScript/Bootstrap/Firebase.
- Personal Portfolio Website – React – Next.js/Express.js/AWS Amplify/Git
- E-commercial website for *Shoppit* centre – MERN Stack (ongoing).
- *Chimizhu* magazine digitalization and documentation website – React.js/AWS Amplify/Git.
- Online Education website for *GradInSite* Startup– MERN Stack/AWS Dynamo DB/Elastic Beanstalk (ongoing).

LANGUAGES: English (Fluent), Malayalam (Native), Hindi (Intermediate), Spanish (Beginner)

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

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