KRISHNA UMAKANT ILKAR

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Profile

I am a highly motivated Full Stack Developer and Data Analyst. With hands-on experience at Jio Platforms as a Full Stack developer (SDE II) with designation Deputy Manager. I have streamlined project delivery, enhanced system scalability, and led security-focused applications. Proficient in Python, Django, React-Js , React-Native, Node-Js and more, I bring a proactive problem-solving approach and a commitment to efficiency. Currently I am focusing on Data Analysis and some advance Web Development technologies.

Education

Dr. Babasaheb Ambedkar Technological University, Lonere, Raigad, Maharashtra, India.	**2018 - 2022**
● Bachelor of Technology (B.Tech) in Electronics and Telecommunication Engineering	CGPA: **8.80/10**	
S. R. Patil Junior College Pat, Maharashtra, India.	**2016 - 2018**
● *HSC (Class XII)), Aggregate:* **77.08 %**	
S. L. Desai Vidyalaya Pat, Maharashtara India.	**2015 - 2016**
● *SSC (Class X), Aggregate:* **95.20 %**	

Skills

C | C# | C++ | DSA | Java-basic | Python | Data Analysis | Machine Learning | Linux | HTML | CSS | JavaScript | JQuery |

Bootstrap | PHP | NodeJS | ReactJS | React Native | Django | Flask | AngularJS | ASP.NET | MongoDB | MySQL | Oracle |

PostgreSQL | Firebase | Git | GitHub | AWS | Microsoft Azure | Penetration Testing

Courses

- Certification in Full-Stack Web development Course.
- Certification in Master Data Science with Python.
- Certification in Machine Learning and Deep Learning in Python.
- Certification in Penetration Testing on Linkedin Learning Platform.

Projects

- **Full-Stack Web Development Projects -**

Responsive dynamic website, Complete registration form, Portfolio, Resume, Countdown, Music App, Calculator School Management System, School Library Management System, Hospital Management System, Employee Management System , Privacy Management System, Data Governance Management System, Vulnerability Management System, Incident Management System, Entity Repo App, Assessment Workflow Management System.

Short Description :- In above website and web application development projects I've used Html, Css, Javascript, JQuery, Bootstrap, ReactJS, NodeJS, ExpressJS, React Native, Python-Django, Django-Viewflow, Php, Postgres, Mysql, Firebase, Mongodb Database Integration, Git, Github, Ubuntu, MobaXtream, Gunicorn, uWSGI Environment, AWS-EC2, Microsoft-Azure-Devops technologies and libraries.

- **Machine Learning Projects -**

Submarine rock vs Mine prediction, Titanic Survival Prediction, Heart Disease Prediction, Diabetes Prediction, House Price Prediction, Loan Status Prediction, Fake News Prediction, Text to Speech tool, Image Classification using CIFAR – 10 Dataset, Horse or Human Prediction.

Short Description :- In above ML projects I've learned and solved real problems, Build Robust AI, ML, and used Natural Language Processing, Time Series Models for Real Estate, Health Care and Business Domain.

Internship

- Intern at **The Sparks Foundation** under the GRIP2021 as a **Data** and **Business Analyst**.
- Intern at **The Sparks Foundation** under the GRIP2021 in Domain **IOT** and **Computer Vision**.
- Intern at **TechEdu** under TIP2021 as a **Web Developer**.
- Intern at **Automate Engineer Pune** in Domain **IOT** and **Machine Learning**.
- Intern at **TVS Motors**.

Work Experience

● **Jio Platforms Limited	Navi Mumbai**	**May 2022 – Till Now.**

- **Full Stack Developer**
- **Technologies -** Python, Django, HTML5, CSS, Javascript, JQuery, Bootstrap, SQL Databases, Git, MobaXtream, Gunicorn, uWSGI Environment, AWS-EC2, Microsoft-Azure-Devops.
- **Consolidated** reusable modules into a centralized DevOps repository, streamlining **efficiency** and accelerating project delivery through **code reusability** and standardized components.
- **Implemented** and **integrated** a messaging queue system to enhance **task orchestration** and **seamless communication** between distributed components, resulting in improved system scalability, reliability, and performance.
- **Spearheaded** a highly efficient application **seamlessly integrating** with **TenableSC**, boosting team productivity by automating vulnerability assessments and providing real-time security insights.
- Developed **robust database** structure for **large-scale hierarchy**, enabling efficient data management and reporting. Optimized schema for improved **data accessibility** and **accuracy**.
- **Implemented project-level standardization** of coding practices to promote DRY (Don't Repeat Yourself) code and **streamline development** across multiple projects. This initiative resulted in **improved code readability** and **maintainability**.
- **Created** and **integrated an advanced envelope encryption solution** to maintain data confidentiality and protection for sensitive information. This robust **security measure** bolstered data security and safeguarded vital assets.
- Implemented a **parallel processing solution** to efficiently **schedule** and **manage long-running tasks** across multiple systems, resulting in notable improvements in **job efficiency** and **overall performance**.
- **Mentored junior team members** on best practices, code optimization techniques, and software development methodologies, resulting in **increased team productivity and efficiency**.

Academic and Extracurricular Achievements

- Honored with the Spotlight Award in **Reliance Jio** for the **exemplary** and **timely execution**, **deployment**, and **sustained management** of the **Security Incident Management module** for the **Indriya Security Platform**, **significantly enhancing** the **National Informatics Center (NIC)** Cloud Project of **Government Of India**.
- Certification in Qualification Round of the 2021 **Facebook Hacker Cup**.
- Participated in the **Geeks for Geeks** blogathon on **AI** and **ML**.
- Second Prize in **Yantram Event** in Bot competition.
- Worked in **National Service Scheme (NSS)**.

Strength

- Ability to express **technical concepts**, **AI Enthusiastic**, **Fast Learner**.
- Hands-on experience with multiple t**echnologies**.
- Good Communication skills in **Marathi**, **Hindi** and **English**.