**Pushkarjay Ajay**  
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**Summary** .   
An aspiring Computer Science student with hands-on experience building full-stack web applications and AI/ML models to solve real-world problems. I am passionate about leveraging technology to create efficient, practical solutions and contribute to impactful projects.

**Education** .

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| **KIIT University, Bhubaneswar** *B.Tech in Computer Science & Engineering* | 2022 – 2026 *CGPA: 7.42* |
| **Sri Chaitanya Junior College, Hyderabad** *Intermediate (12th Grade)* | 2022 *Marks: 93.5%* |
| **Sri Chaitanya School, Hyderabad** *High School (10th Grade)* | 2020 *CGPA: 10.0* |

**Work Experience .**

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| **SURE Trust (Remote)** | ***Data Science Intern,*** | **May 2025 – Present** |
| -Enrolled in AICTE-certified 6-month internship focused on Data Science.  -Trained in SQL, Power BI, Excel, MySQL, Python, and Data Analytics.  -Completed live sessions, assignments, and real-world projects. | | |
| **CHESS, DRDO (Hyderabad)** | ***Computer Vision Intern,*** | **Dec 2024 – Jan 2025** |
| -Developed image preprocessing frameworks using OpenCV, NumPy, and Pillow.  -Automated video analytics for efficient data extraction. | | |

**Projects** .

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| **HMart – E-commerce Platform** |  | | | [**live**](https://hmart-nog2.onrender.com/) **Full-stack Developer** | |
| -Solved the problem of students needing to exchange objects and snacks within the college by creating a full-stack e-commerce platform with product management and authentication features. | | | | JavaScript, HTML, CSS, PostgreSQL  [**Source Code**](https://github.com/Pushkarjay/HMart.git) | |
| **VGG16 vs ResNet50 on CIFAR-10** |  | | | **Machine Learning** | |
| -Evaluated deep learning models for accuracy and efficiency. | | | | Python, TensorFlow, Computer Vision  [**Source Code**](https://github.com/Pushkarjay/Comparative-Analysis-of-VGG16-and-ResNet50-Architectures-on-CIFAR-10-Image-Classification.git) | |
| **Exoplanet Detection Using AI** |  | | | **Artificial Intelligence** | |
| -Used NASA Kepler data and Random Forest to identify exoplanets. | | | | Python, Machine Learning  [**Source Code**](https://colab.research.google.com/drive/1zsDbq2Gv3gST1jjVlVdSgHopQz7d2WOs?usp=sharing) | |
| **Certification-Automator** | |  | **Cloud Service/Web Devlopment** | |
| - Developed for SURE Trust to solve the issue of manual certificate processing. This automated system generates certificates with verifiable QR codes from a database, ensuring authenticity. | | | Google Cloud, Python, React, RESTAPI  [**Source Code**](https://github.com/Pushkarjay/Certificate-Automation.git) | |
| **Section-Swap-System** | |  | [**live**](https://section-swap-kiit.onrender.com/) **Web Developer** | |
| - Addressed the difficulty of finding mutual section swaps by building a platform to automate the matching process, helping students easily find potential swaps and avoid disorganization. | | | HTML, CSS, JS, PostgreSQL  [**Source Code**](https://github.com/Pushkarjay/Section-Swap-KIIT.git) | |

**Skills** .

**Technical Skills**

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| --- | --- |
| AI/ML: | Artificial Intelligence, Machine Learning, Generative AI |
| Web Development: | HTML, CSS, JavaScript, React, Node.js, Express, Bootstrap, API, RESTAPI |
| Data Analytics/Science: | Excel, MySQL, PostgreSQL, Tableau, PowerBI. |
| Cybersecurity: | CCNA |
| Software Development: | Python, C, C++, SQL |
| Python Libraries: | NumPy, Pandas, Matplotlib, TensorFlow, OpenCV, BrowserUse, Tkinter, Pillow |
| Miscellaneous: | Git, Kaggle, OOPs, DSA, Cloud Computing |
| Tools & Technologies: | Windows, Linux, Microsoft Office Suite, GitHub, VS Code, AWS, Azure |

**Soft Skills**

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| Interpersonal: | Interpersonal Communication, Teamwork, Problem Solving, Critical Thinking |
| Professional: | Strategic Thinking, Organization, In-depth Analysis, Ethics in Decision-Making |
| Management: | Project Management, Risk Management, Social Entrepreneurship, Decision-Making |
| Languages: | English, Hindi, Telugu |

**Certifications** \_**.**

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| CCNA 1,2,3 | Cisco |
| Introduction to Cybersecurity | Cisco |
| Python Essentials | Cisco |
| Artificial Intelligence | AICAN Pvt Ltd & Wissenaire, IIT Bhubaneswar |

**Achievements & Position of Responsibility .**

Chess – District Champion at Palamu in 2019

Member of Kraftovity Society at KIIT.