

# KARTIK JOSHI

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## EDUCATION

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Jaypee University of Information Technology  
Bachelor of Technology – Information Technology; CGPA: 8.35

Solan, Himachal Pradesh, India  
Expected (June 2024)

C.A.K.F.M.S.S School  
CBSE – Class XII – 70% ; Class X – 84.2%

Naya Nangal, Punjab, India  
2018 - 2020

## WORK EXPERIENCE

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Code Clause Pvt. Ltd. 

Pune, Maharashtra, India, (Remote)

DS Intern

Aug 2023 – Sep 2023

- **Data analysis** was performed on a dataset of **1 million records**, uncovering major trends and patterns that influenced **business choices**.
- Using **Python and SQL**, I created and managed a **data pipeline**.
- Automating the process of **data collection, preprocessing**, and **analysis** and collaborated with cross-functional teams to **develop and implement** data-driven solutions, resulting in a **20% increase** in customer satisfaction.

Azure Skynet Solutions Pvt. Ltd. 

Gurugram, Haryana, India

Machine Learning Intern

Jun 2023 – Jul 2023

- **5 ML models** were applied to handle **real-world issues**, with an **average accuracy of 95%** on test datasets ranging in size from **10,000 to 100,000** records.
- Preprocessed and cleaned **5** datasets, reducing the percentage of missing or **inconsistent** data.
- Explored and experimented with **10** different **machine learning algorithms** and **models**, achieving the best **accuracy of 98%** on a test dataset of **100,000** records.

## PROJECTS

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PHISHING WEBSITE DETECTION 

March 2023 - May 2023

- Developed a system that can **detect** and **notify** users about potentially **harmful websites**.
- To train the **ML models**, a collection of **5000** phishing URLs is obtained from **Phish Tank**, while **5000** authentic URLs are acquired from datasets at the **University of New Brunswick**.
- This project might be built by building a **browser extension** or a **GUI** that analyses **URLs** to determine if they are **legitimate or fake**. I'm presently developing a **browser extension** for this **project**.

INFORMATION SECURITY FOR SHARED IOT INFRASTRUCTURES

Sep 2023 - Present

- Implement **encryption** protocols (**AES-256**) for **data transmission** and **storage**.
- Enforce **role-based access control (RBAC)** achieving **99.5% unauthorized access prevention**.
- **Maintain 99.8% uptime** for **intrusion detection systems (IDS)**.

## ACHIEVEMENTS & CONFERENCES

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Alteryx Machine Learning Fundamentals Micro-Credential - [Certification](#)

Microsoft Build 2023, Microsoft Learn AI Skills Challenge | [Certificate](#)

Microsoft Build: DevOps Challenge | [Transcript](#) | [Badge](#)

Lyft Back-End Engineering Virtual Experience Program | [Certificate](#)

2023 **7th International Conference on (ICIIP)** | [Identification of Phishing Attacks using ML](#)

## TECHNICAL SKILLS

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**Languages and Libraries:** C++, Java, Go, HTML+CSS, Java Collection, ReactJs, Python.

**Tools and Database:** Firebase, MySQL, Spyder, VScode, Git, GitHub.

**Relevant Coursework:** Data Structures, Object Oriented Programming, Operating Systems, DBMS, Software Engineering Practices, Computer Networks, Business Analytics.