

# Vipul

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## EDUCATION

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- **Chandigarh University** *Chandigarh, India | June 2019 – June 2023*  
B.E. in Computer Science and Engineering – **8.0 CGPA**
- **Kendriya Vidyalaya No.1 Amritsar** *Amritsar (Punjab), India*  
Intermediate - **10 CGPA** *April 2016 – April 2017*  
Matriculation - **80%** *April 2018 – April 2019*

## EXPERIENCES

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- **Ernst & Young India – Senior Analyst** *Bengaluru, India | July 2023 – Present*  
**Data Engineer** – Python (PySpark) | SQL | Power Bi
  - **Data Transformation:** Leveraged PySpark to perform complex data transformations, cleansing, and aggregations, ensuring data integrity and accuracy across various projects.
  - **Optimization:** Optimized PySpark jobs to improve performance and reduce execution time, leading to faster data processing and reduced resource consumption.
  - **Automation & Streamlining:** Contributed to internal projects aimed at automating and streamlining workflows, significantly reducing manual efforts and improving the efficiency of engagement tasks.
  - **Documentation & Reporting:** Created detailed documentation for data pipelines, processes, and workflows, facilitating transparency and ease of knowledge transfer within teams and for clients.
  - **Continuous Improvement:** Actively participated in continuous learning and implemented best practices in big data technologies, contributing to the overall growth and capability of the team.
  - **Power BI Reporting:** Developed interactive dashboards and visualizations using Power BI to provide insights from complex datasets, helping stakeholders make data-driven decisions with real-time, intuitive reports

**Project:** *Ecommerce Website*  
**Technologies:** *Java, Spring-Boot, MySQL, MongoDB, HTML5, CSS, Bootstrap, Angular.*  
The Online Shopping Case Study involves developing a web application with user registration and login for customers and administrators. Customers can manage their shopping carts, while administrators handle product and customer management, ensuring a seamless and efficient online shopping experience.
- **Accenture India – Cyber Security Analyst** *Remote | March 2023 –July 2023*
  - **Hands-on Experience:** Gained practical experience in threat detection and incident response by assisting in monitoring network traffic and analysing potential security incidents.
  - **Vulnerability Assessment:** Learned to perform vulnerability assessments using industry-standard tools, helping to identify security weaknesses in systems and networks.
  - **Mentorship & Learning:** Worked under the guidance of experienced cybersecurity professionals, enhancing my understanding of cybersecurity concepts and practices.

## PROJECTS

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- **Engage Now | Technology Used: ReactJS, Firebase**
  - Developed a chatting application using ReactJS to enable users to communicate via text, audio, and video.
  - Performed Media Sharing using Firebase Realtime Database, Firebase Storage for smooth communication.
  - Utilized React Rsuite for sensible design and a friendly development experience.
- **Bookish – The Book Website | Technology Used: Angular, Spring Boot, MYSQL**
  - Developed a robust and user-friendly website for buying, renting, exchanging, and selling used books.
  - Designed responsive layouts using HTML, CSS, and Bootstrap to ensure compatibility across devices.
  - Utilized MYSQL for reliable data storage and management of book listings, user profiles and transactions.

## TECH STACKS

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- **PROGRAMMING LANGUAGES:** PYTHON, C/C++, JAVA, JS
- **TECHNOLOGIES:** PYSARK, MYSQL, MONGODB, GIT/GITHUB, SPRINGBOOT, MAVEN, ANGULAR JS, POWER BI, AZURE
- **OTHER TECHNICAL COMPETENCIES:** OOPS, DBMS, DATA STRUCTURES