

# Abhishek

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## SKILLS SUMMARY

- **Languages:** C, C++, Java, Python, JavaScript, Shell Scripting, Node.js, HTML, CSS
- **Tools:** GDB, Docker, Kubernetes, MySQL, Wireshark, NMAP, BurpSuite, Metasploit
- **Technologies:** Operating System, DBMS, Computer Networking, SOAP, DevOps
- **Platforms:** Linux, Web, Windows, AWS
- **Soft Skills:** Decision Making, Problem-Solving, Leadership, Innovative, Public Speaking, Time Management

## EXPERIENCE

- **FIS GLOBAL** Bangalore, India  
*SDE 1 (Full-time)* Feb 2022 - Present
  - **Role :** GT.M Core Developer
  - **Project Description :** GT.M is an open-source compiler and runtime environment for the Mumps programming language, optimized for transaction processing and offering a high-performance key-value database engine. Its primary use is in the healthcare and financial services industries.
  - **Responsibilities :**
    - Collaborated with the GT.M core development team(20+ members) to enhance the core database with new features.
    - Analyzed and addressed test failures to improve the reliability and stability of the GT.M code base.
    - Fixed complex bugs and performance issues in the GT.M, enhancing the overall scalability of the database system.
    - Implemented automated tests for new functionalities to increase the test coverage of the GT.M code base.
    - Improved test framework efficiency by designing and deploying awk scripts and MUMPS routines,
    - Maintained user-friendly documentation for new features, enhancing user understanding and adoption.
    - Contributed to GT.M security by conducting static vulnerability scanning(Checkmarx), and providing support in the remediation process.
  - **Tools and Technologies :** C, Java, Python, C Shell, AWK, Git, MUMPS, GDB, JIRA, Checkmarx, Bitbucket
- **Crime Free Bharat** Remote  
*Digital Forensics Intern* Sep 2021 - Jan 2022
  - **Responsibilities:** performed forensic quality acquisitions of various computer devices, assisted with the investigation of digital data, and learned to prepare electronic evidence for court proceedings.
  - **Tools :** FTK Imager, Autopsy, Volatility, MD5 Hash
- **Gurugram Police Cyber Cell** Remote  
*Cyber Security Summer Intern* Jun 2021 - Jul 2021
  - **Project Course:** Studied various cyber crime cases, learned about LEA procedure, Netiquette, various tools, and frameworks essential for cyber safety and reporting cyber crimes.

## EDUCATION

- **BITS PILANI** Hyderabad, India  
*M.Tech Artificial Intelligence and Machine Learning* Jul 2024 - Jun 2026  
*Courses:* Statistics and Probability, Machine Learning, Deep Neural Learning, Artificial and Computational Intelligence
- **Chandigarh University** Punjab, India  
*BE CSE Hons. Information Security* Jul 2018 - Jun 2022  
*Courses:* Operating Systems, Data Structures and Algorithms, Application Security, Networking, Ethical hacking, Incident Response
- **Grain Chamber Public School** UP, India  
*Intermediate* Jun 2017

## COURSEWORK

- **Ethical Hacking — Internshala:** Gained proficiency in information security, computer networking, web development, and VAPT, with a focus on OWASP Top 10 vulnerabilities, and expertise in automating VAPT, documenting, and reporting findings.
- **IT Fundamentals for Cybersecurity — Coursera — IBM:** Acquired knowledge in cybersecurity tools and processes, system administration, operating system and database vulnerabilities, types of cyber attacks, and fundamentals of networking, cryptography, and digital forensics.

## HONORS AND AWARDS

- Security Intelligence Engineer Explorer Award 2020-22
- Runner Up at Idea Portraying organized by Chandigarh University, 2020
- Top Achiever in Ethical Hacking assessment by Internshala