SHIV DUTT CHOUBEY
Resume

- Personal Information

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  🏠 House Number 20 Old P.P. Colony Gwarighat Road, Jabalpur, 482 008

- Other Profile Links

  in linkedin.com/in/shivduttchoubey   <> g.dev/shivduttchoubey

  ○ github.com/shivduttchoubey   ≡ shivduttchoubey.substack.com

- Academic Qualification:
- Bachelor of Science in Computer Science - Pursuing
  Rani Durgavati University (RDVV) Jabalpur, Madhya Pradesh, Graduation: July 2024
- AISSCE (CBSE) – 91%
  Army Public School No.1 Jabalpur ,Madhya Pradesh, Year of Passing : July 2021
- AISSE (CBSE) – 91.2%
  Army Public School No.1 Jabalpur ,Madhya Pradesh, Year of Passing : July 2019

- Summary:

Passionate cybersecurity professional with expertise in ethical hacking, secure coding, and network security. Skilled in Natural Language Processing, cryptography, and API Development. Proficient in patent analysis, database management, Java programming, and agile development. Strong problem-solving abilities, communication skills, and strategic mindset. Pursuing Bachelor of Science in Computer Science, seeking opportunities in cybersecurity and innovative technology.

- Software Development Tools
  - Version control systems: Git
  - Continuous integration (CI) and continuous delivery (CD) tools: Jenkins, CircleCI
  - Containerization and Orchestration: Docker Kubernetes

- Experience

1. NPTEL Summer Intern
   ➢ Indian Institute of Technology, Kharagpur and KLE Technological University, Hubli
   ➢ Duration: 08 April 2024- Present
   ➢ Engaged in Research on CodeScan AI and Bibliometric Study of Indian Patent Data

2. Software Developer Intern
   ➢ Doions Private Limited, Jabalpur, Madhya Pradesh
   ➢ Duration: November 2022 – March 2023 (5 months)
   ➢ Engaged in code reviews and Agile meetings, contributing to team collaboration. Played a pivotal role in developing a Data Processing Pipeline for Conversational AI in a Chatbot framework.

- Projects
  - Local Learn Chatbot Data Pipeline Enhancement
  - Developed an API to detect specific words in entered text

- Certifications
  - o [Introduction to Internet of Things](#):
  Skills: IoT fundamentals, sensing, actuation, networking, communication protocols, Wi-Fi, Bluetooth, ZigBee, sensor networks, M2M communication, Arduino programming, Python programming, Raspberry Pi, sensor integration, SDN, data handling, analytics, cloud computing, fog computing, smart cities, smart homes, connected vehicles, smart grid, industrial IoT, agriculture IoT, healthcare IoT, activity monitoring.

  - [Applied Artificial Intelligence](#):
  Skills: GPU Acceleration, Cloud Computing, PyTorch, TensorFlow, Kubernetes, and Distributed Deep Learning. Proficient in Model Deployment, NLP, Large Language Models, Bias/Fairness in AI, and Resource Management.

  - [Computer Graphics](#):
  Skills: Graphics Pipeline, Hardware Acceleration, Software Rendering, 3D Transformations, Texture Synthesis, Clipping Algorithms. Proficient in Object Representation, Splines, Space Partitioning, Projection, Hidden Surface Removal, Shader Programming, and OpenGL.
  - [Corporate Finance](#):
  Skills: Investment Appraisal, Capital Budgeting, Firm Valuation, Working Capital Management, Dividend Theory, Risk and Return Analysis, and Profitability Analysis. Proficient in Capital Structure Analysis, Liquidity Analysis, Receivables Inventory and Payables Management.
  - [Ethical Hacking](#):
  Skills:TCP/IP, Cybersecurity, Secure Coding, Cryptography, Malware Analysis, Network Security, Web Application Security
  - [Roadmap for Patent Creation](#):
  Skills: Technical Writing, Patentability Searches, Patent Analysis, Patent research, Research Planning, Patent Searching, Patent filing process
  - [Data Base Management System](#):
  Skills: SQL, Database Design, Data Modeling, NoSQL, Relational Databases, Database Administration, Data Analysis
  - [Programming in Java](#):
  Skills: Java, Web Development, Agile Application Development,Object-Oriented Programming (OOP)
  - [Programming in Modern C++](#) :
  Skills: Debugging C++, Memory Management, C++, Object-Oriented Programming (OOP)
  - [Introduction to Operating Systems](#):
  Skills: Linux, Operating Systems, System Administration
  - [An Introduction to Programming through C++](#) :
  Skills: C++

- Hackathons and Competition
  1. Inter Group Cyber Security Presentation Competition
  - Presented various aspects of cyber security and emerging phishing and social engineering techniques
  - Skills: Ethical Hacking, Cryptography, Network Security
  - Accomplishment: Secured First Position

2. Innovate India Coding Championship
- Solved Data Structures and Algorithms problems and Aptitude questions within the given time frame
- Skill: C++
- Accomplishment: Secured 7845 rank

- <u>Volunteer Work</u>

  - [WeSeSo](#) - We Secure Society Volunteer (April 2020 - Present)
  - [National Service Scheme (NSS)](#) - Student Volunteer (November 2021 - Present)
  - [NATIONAL CADET CORPS (NCC)](#) – India Cadet (July 2016 - July 2018)

- <u>Hobbies and interests</u>	Award and Honors
1. Tech Trend Tracking	1. NPTEL Believer
2. Personal Software Projects	2. NPTEL Motivated Learner
3. Continuous Learning	3. NPTEL Discipline Star