

PORTFOLIO

CA ASSIGNMENT OF CSE111

(ORIENTATION TO COMPUTING-1)

COMPUTER SCIENCE AND ENGINEERING

Submitted by: Ashish Chandrans

Name: Ashish Chandrans

Roll No.: RK25CHA18

Registration No.:12505021

Section: K25CH

Submitted to : Gunseerat Kaur



LOVELY
PROFESSIONAL
UNIVERSITY

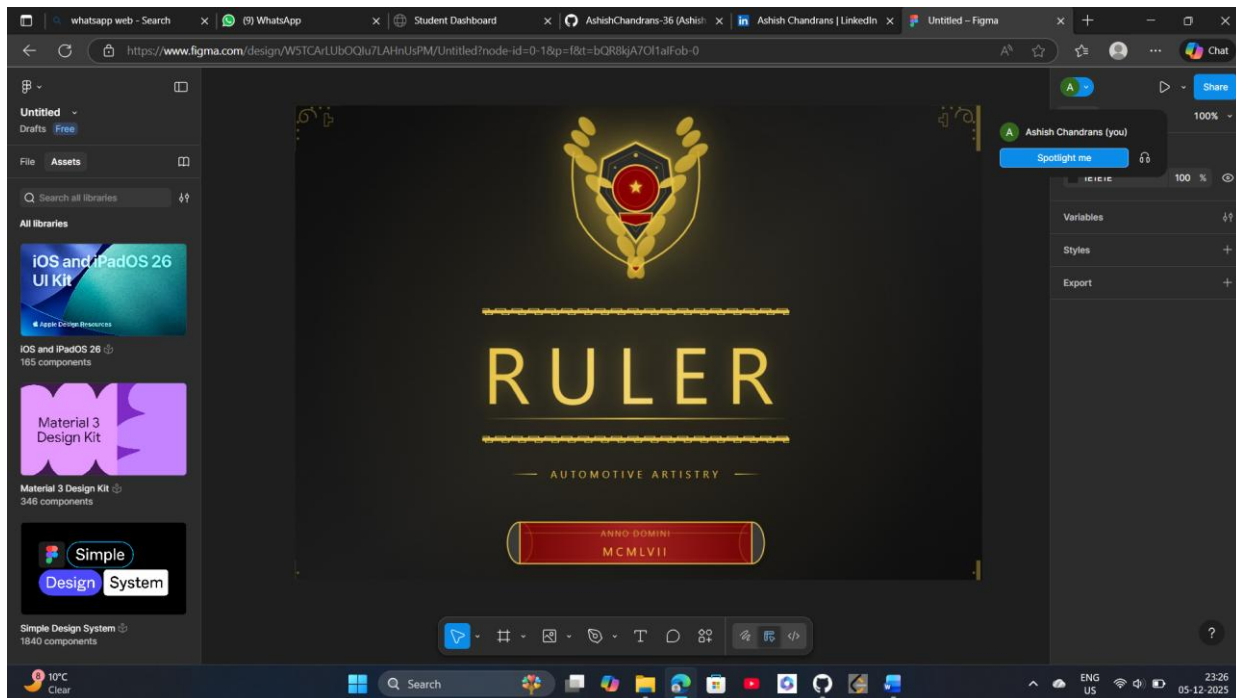
DECLARATION

I. Ashish Chandrans, a student of Bachelor of Technology under CSE discipline at Lovely Professional University, Punjab, hereby declare that all the information furnished in this project report is based on my own work and is genuine.

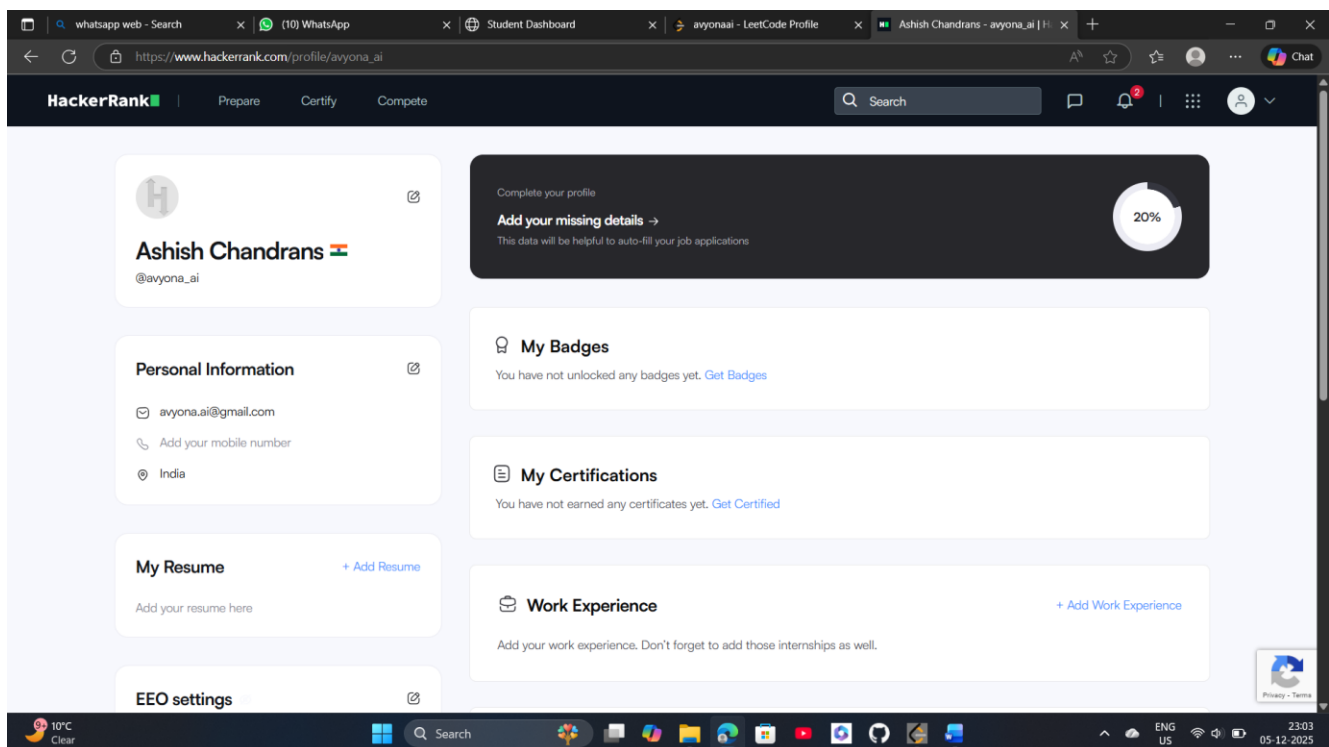
Name: Ashish Chandrans

Platforms for profile creation	Link to student profile	Page
<i>Figma</i>	https://www.figma.com/@1e6aaad4_4836_4	
<i>Leet code</i>	https://leetcode.com/u/avyonaai	
<i>Stack overflow</i>	https://stackoverflow.com/users/31887561/ashish-chandrans	
<i>Hacker Rank</i>	https://www.hackerrank.com/profile/avyona_ai	
<i>Hacker Earth</i>	https://www.hackerearth.com/@ashishchandrans36/	
<i>Geeks for Geeks</i>	https://www.geeksforgeeks.org/profile/ashishchandrans36	
<i>Github</i>	https://github.com/AshishChandrans-36	
<i>LinkedIn</i>	https://www.linkedin.com/in/ashish-chandrans-033b2b379/	
<i>CV</i>		
<i>Technical mooc registration proof</i>		
<i>MOOCS Certificates</i>	https://techveda.in/positiveVideo	
<i>Figma image link</i>	https://www.figma.com/design/W5TCArLUbOQlu7LAHnUsPM/-id=0-1&t=bQR8kiA7Ol1aIFob-1Untitled?node	

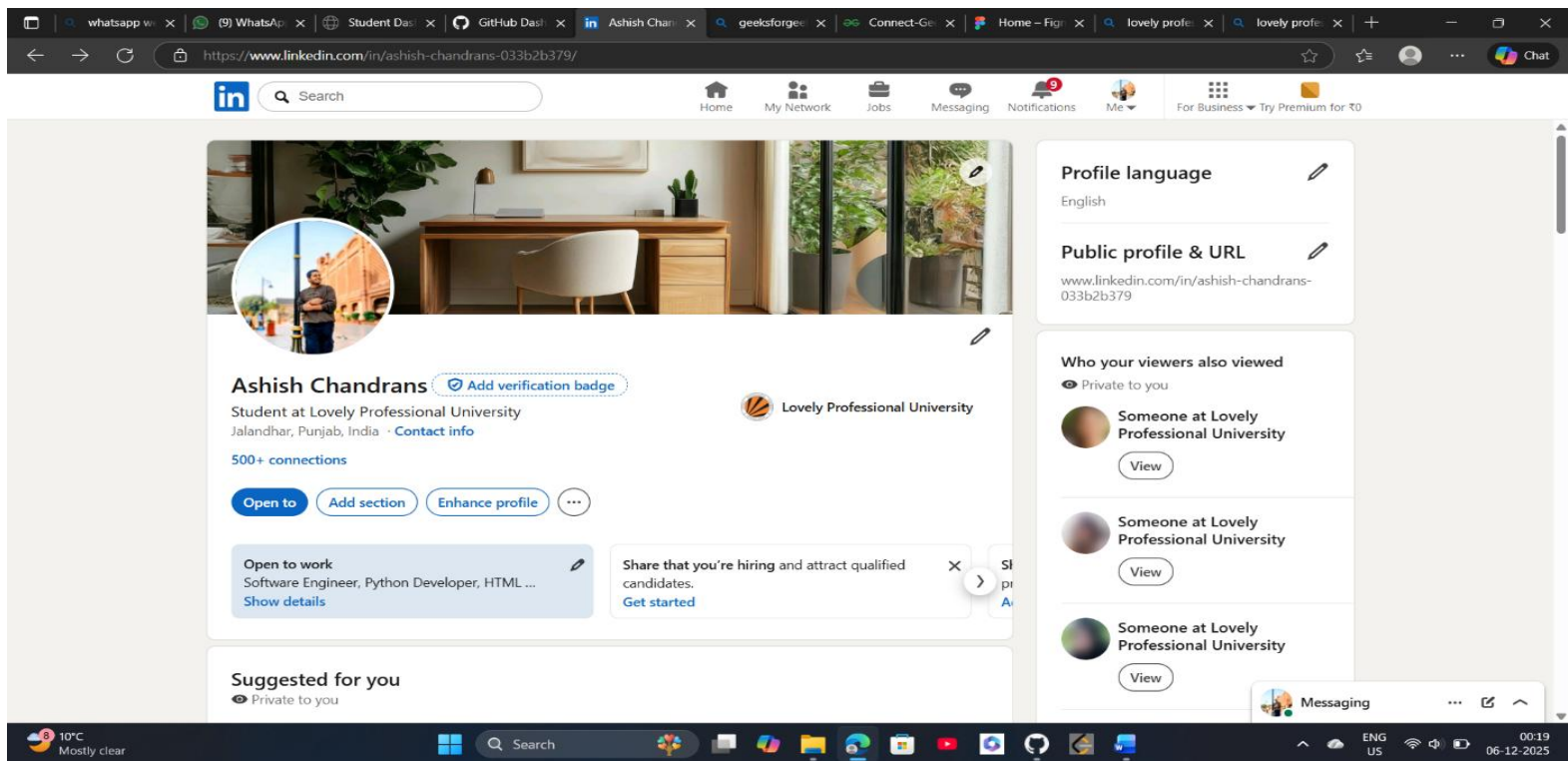
Figma:



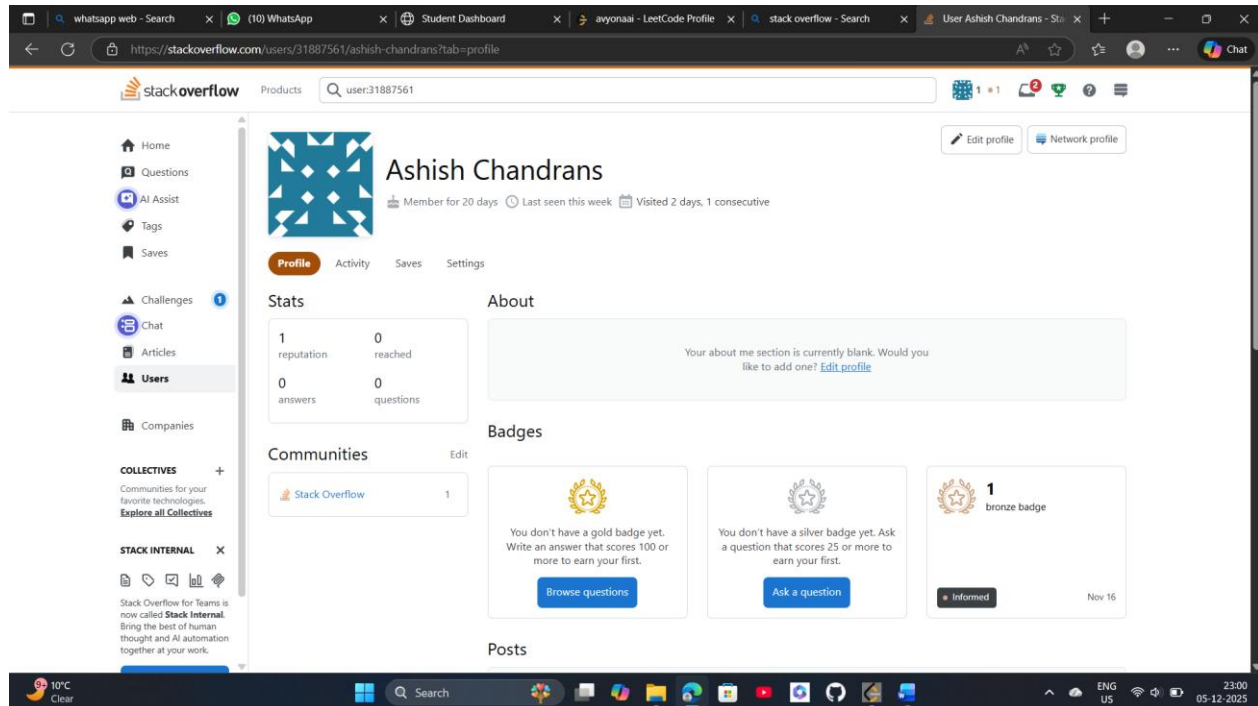
HackerRank:



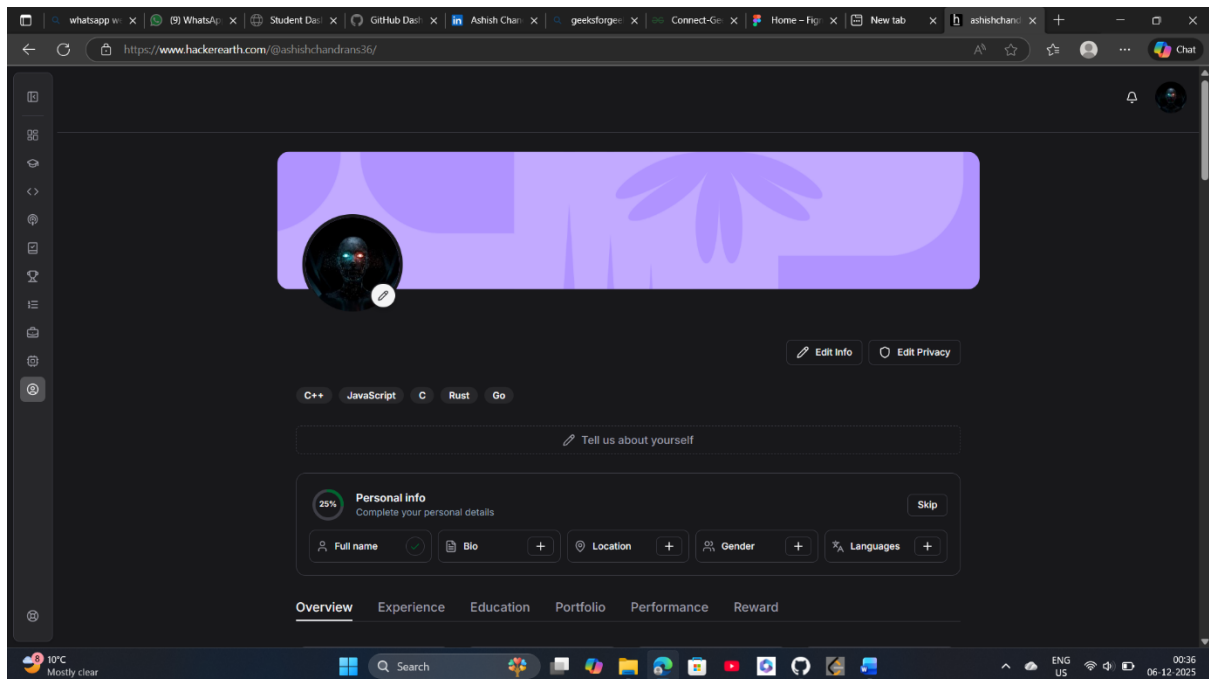
LinkedIn:



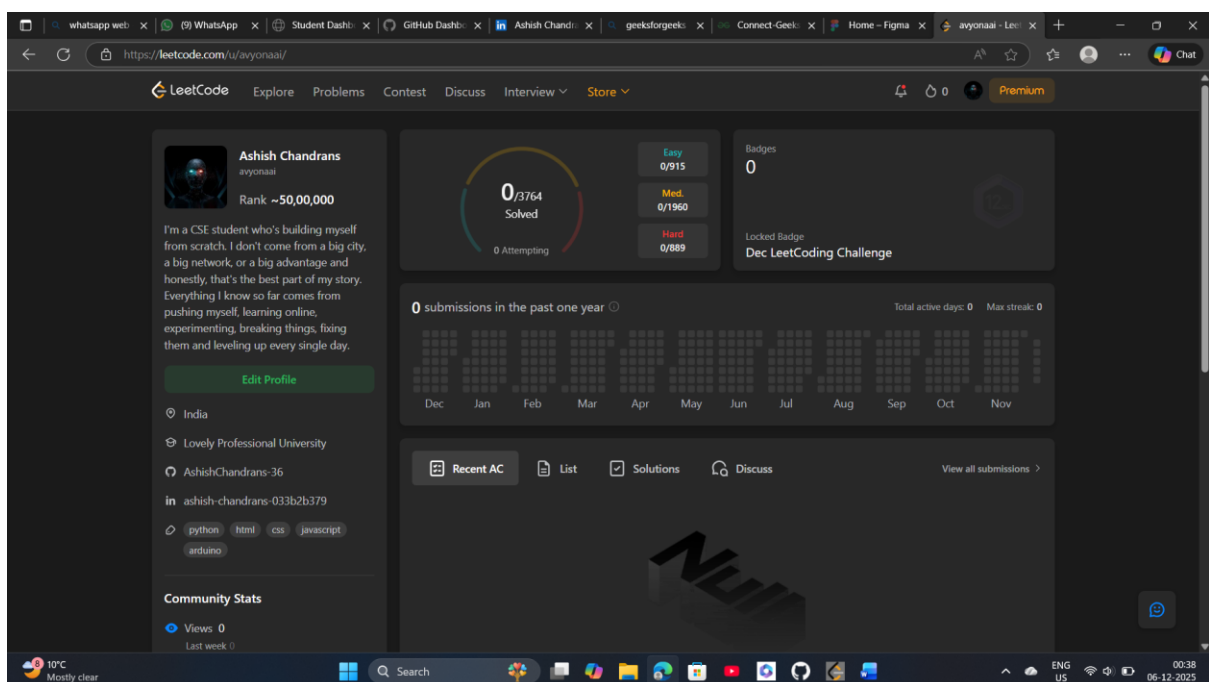
StackOverflow:



HackerEarth:



Leetcode:



GitHub:

This screenshot shows the GitHub profile page for user AshishChandrans-36. The page features a profile picture of a stylized head with glowing eyes, a bio stating 'Persuing bachelors in computer science', and a list of popular repositories including 'Aryona-website', 'kshetranetra.ai', 'Introduction-', 'internet-programming', and 'ECE'. A contribution calendar shows 62 contributions in the last year. The page is viewed in a browser window with multiple tabs open, including 'whatsapp web - Search', 'WhatsApp', 'Student Dashboard', 'AshishChandrans-36 (Ashish)', 'Ashish Chandrans | LinkedIn', and 'Untitled - Figma'.

This screenshot shows the GitHub Dashboard. The 'Home' section includes a search bar, a 'Try the new dashboard experience' button, and a 'Learn. Collaborate. Grow.' section with a 'Go to GitHub Education' button. The 'Feed' section displays recent releases from 'langflow-ai/langflow', including versions 1.6.9 and 1.6.8. The 'Latest from our changelog' section lists recent updates and security queries. The dashboard is viewed in a browser window with multiple tabs open, including 'whatsapp web - Search', 'WhatsApp', 'Student Dashboard', 'GitHub Dashboard', 'Ashish Chandrans | LinkedIn', and 'Untitled - Figma'.

Geekforgeeks:

The screenshot shows a web browser window with multiple tabs open, including 'whatsapp web', '9) WhatsApp', 'Student Dashboard', 'GitHub Dashboard', 'Ashish Chandrans', 'Untitled - Figma', 'geekforgeeks - 5', 'Connect-Geekfor', and a '+' icon. The address bar shows the URL 'https://www.geekforgeeks.org/profile/ashishchandrans36'. The page header features the Geekforgeeks logo and navigation links for 'Courses', 'Tutorials', 'Practice', and 'Jobs'. The main content area displays the profile of 'Ashish Chandrans', who is described as 'Writing code. Breaking Limits. One Commit at Time.' with '0 Followers' and '0 Following'. The profile includes an 'Overview' tab, a 'Complete your profile to let others know you better.' button, an 'About Me' section with a bio, an 'Experience - 0 Years' section, and a 'Qualifications' section listing 'Lovely Professional University, Jalandhar (LPU Jalandhar)' from '2029'. On the right sidebar, there is a 'Search Users' bar, a list of 'Experts Online Now' (Kunal, Vikas Kumar, Animesh Dutta, Sandeep Kumar), and a 'Top Offerings' section with buttons for 'Mock Interviews', 'Resume Review', 'Career Guidance', 'Salary Negotiation', 'Coding Tutoring', and 'Personal Branding'. The bottom of the browser window shows a Windows taskbar with a search bar, taskbar icons, and system tray information including '10°C Clear', 'ENG US', and '23:50 05-12-2025'.

Git:

The screenshot shows a Windows command prompt window titled 'MINGW64/c/Users/ashu/OneDrive/Desktop/git'. The user has entered the command 'git help', and the output displays the usage of the 'git' command, listing various options like '--version', '--help', '--exec-path', '--html-path', '--man-path', '--info-path', '--paginate', '--no-pager', '--no-replace-objects', '--no-lazy-fetch', '--no-optional-locks', '--no-advice', '--bare', '--git-dir', '--work-tree', '--namespace', '--config-env', and '--command'. Below the usage information, a list of common Git commands is provided, categorized into 'start a working area', 'work on the current change', 'examine the history and state', 'grow, mark and tweak your common history', and 'collaborate'. The commands listed include 'clone', 'init', 'add', 'mv', 'restore', 'rm', 'bisect', 'diff', 'grep', 'log', 'show', 'status', 'backfill', 'branch', 'commit', 'merge', 'rebase', 'reset', 'switch', 'tag', 'fetch', 'pull', and 'push'. The bottom of the window shows a Windows taskbar with a search bar, taskbar icons, and system tray information including '9°C Clear', 'ENG US', and '01:11 06-12-2025'.

```
MINGW64/c:/Users/ashu/OneDrive/Desktop/git
clone      Clone a repository into a new directory
init       Create an empty Git repository or reinitialize an existing one

work on the current change (see also: git help everyday)
add        Add file contents to the index
mv         Move or rename a file, a directory, or a symlink
restore    Restore working tree files
rm         Remove files from the working tree and from the index

examine the history and state (see also: git help revisions)
bisect     Use binary search to find the commit that introduced a bug
diff       Show changes between commits, commit and working tree, etc
grep       Print lines matching a pattern
log        Show commit logs
show       Show various types of objects
status     Show the working tree status

grow, mark and tweak your common history
backfill   Download missing objects in a partial clone
branch     List, create, or delete branches
commit     Record changes to the repository
merge      Join two or more development histories together
rebase     Reapply commits on top of another base tip
reset      Reset current HEAD to the specified state
switch     Switch branches
tag        Create, list, delete or verify tags

collaborate (see also: git help workflows)
fetch      Download objects and refs from another repository
pull       Fetch from and integrate with another repository or a local branch
push       Update remote refs along with associated objects

'git help -a' and 'git help -g' list available subcommands and some
concept guides. See 'git help <command>' or 'git help <concept>'
to read about a specific subcommand or concept.
see 'git help git' for an overview of the system.

ashish@ashish MINGW64 ~/OneDrive/Desktop/git (master)
$ git config --global user.name Ashish
$ git config --global user.email ashishd@gmail.com
$ git add file.txt
$ git commit
on branch master
untracked files:
  (use "git add <file>..." to include in what will be committed)
        CV.pdf
        PORTFOLIO.docx

nothing added to commit but untracked files present (use "git add" to track)
ashish@ashish MINGW64 ~/OneDrive/Desktop/git (master)
$ |
```

CV:

ASHISH CHANDRANS

Email: ashishchandrans36@gmail.com | **Phone:** [8797929181]

LinkedIn: <https://www.linkedin.com/in/ashish-chandrans-033b2b379/>

GitHub: <https://github.com/AshishChandrans-36>

Location: Punjab, India

PROFESSIONAL SUMMARY

Motivated first-year B.Tech Computer Science and Engineering student at Lovely Professional University with demonstrated expertise in full stack development, artificial intelligence, and embedded systems. Proven track record in developing innovative solutions including emotional AI chatbots and IoT based agricultural systems. Passionate about leveraging emerging technologies to solve real world problems with proficiency in Python, JavaScript, Arduino, and Generative AI.

EDUCATION

Bachelor of Technology (B.Tech) in Computer Science and Engineering

Lovely Professional University, Punjab, India

Registration No.: 12505021 | **Roll No.:** RK25CHA18

Expected Graduation: 2027

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, (Arduino), HTML5, CSS

Development & Tools: Arduino IDE, Python OOP, Proteus (Circuit Simulation), GitHub

Specializations: Generative AI, IoT & Embedded Systems

Design Tools: Figma, Scratch

Other Competencies: Circuit Design, Sensor Integration, Web Development

PROJECTS

Avyona - AI Chatbot

Web Development Project

Description: Developed an innovative emotional AI chatbot that intelligently recognizes and responds to user emotions, providing empathetic replies and support. The system

combines natural language processing with emotional context awareness to deliver meaningful interactions.

Technologies Used: Python, Generative AI, JavaScript, HTML5, CSS

Key Features:

- Emotion recognition algorithm with contextual response generation
- Full-stack web interface for user interaction
- Real-time emotional state analysis

Live Demo: <https://ashishchandrans-36.github.io/Avyona-website/>

GitHub Repository: <https://github.com/AshishChandrans-36/Avyona-website>

Smart Rainwater Harvesting & Irrigation System

ECE Project - IoT & Embedded Systems

Description: Designed and implemented an automated smart irrigation system that optimizes water usage through intelligent rainwater harvesting. The system monitors soil moisture, rainfall patterns, and water levels to automate irrigation, reducing water waste and improving agricultural efficiency.

Technologies Used: Arduino IDE, Proteus, Sensor Integration, IoT

Key Components:

- Arduino Uno microcontroller for system control
- Multi-sensor integration (soil moisture, water level, rain sensors)
- Automated valve control based on real-time data
- Proteus simulation for circuit validation

GitHub Repository: <https://github.com/AshishChandrans-36/ECE>

CODING PROFILES & ACHIEVEMENTS

LeetCode: <https://leetcode.com/u/avyonaai>

HackerRank: https://www.hackerrank.com/profile/avyona_ai

HackerEarth: <https://www.hackerearth.com/@ashishchandrans36/>

Stack Overflow: <https://stackoverflow.com/users/31887561/ashish-chandrans>

GeeksforGeeks: <https://www.geeksforgeeks.org/profile/ashishchandrans36>

Figma Portfolio: https://www.figma.com/@1e6aaad4_4836_4

CERTIFICATIONS & ONLINE COURSES

- Non Technical MOOC of Effective Time Management.

RELEVANT COURSEWORK

- Python
- Basic Electrical and Electronics Engineering (ECE249)
- Embedded Systems and Microcontroller
- Web Development Fundamentals

SOFT SKILLS

- Problem Solving and Debugging
- Quick Learner with Self-Motivation
- Research and Innovation Mindset

LANGUAGES

- **English:** Fluent
- **Hindi:** Native

DECLARATION

I hereby declare that the information furnished in this CV is true, accurate, and based on my own work and knowledge.

Name: Ashish Chandrans

Date: December 6, 2025