

# ABHIJEET PACHPUTE

Portfolio: [abhijeetp.com](https://abhijeetp.com)

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## SKILLS SUMMARY

- **Languages:** Python, PHP, C++, JavaScript, CSS3, HTML5, SQL
- **Frameworks:** React.js, CNN, TensorFlow, Keras, Node.js, MongoDB
- **Skills:** Front-end, Agile, Back-end, Latex
- **Tools & Platforms:** Git, Github, Windows, Linux, MySQL, Raspberry

## EXPERIENCE

- **Research And Innovation Cell (RMD Sinhgad)** Pune  
*Research Guide* May 2022 - July 2023
  - **Trained:** Facilitated training for students in writing research papers and patent documentation, resulting in 60% improvement in their research writing skills.
  - **Mentored:** Provided guidance and mentorship to students on project management and cross-functional collaboration, leading to increased project success rate and improved teamwork.
  - **Guided:** Offered personalized recommendations and guidance to students in their research and development work, resulting in the successful completion of 6 projects and achievement of research goals.
- **Interstellar Scientific Private Limited** Remote  
*Web Developer and Graphics Designer Intern* Aug 2022 - March 2023
  - **Developed:** Created the front-end of the company's website using HTML5, CSS3, and Node.js, resulting in an enhanced user experience and improved website functionality.
  - **Built:** Collaborated with a team of developers to build the back-end infrastructure using MySQL, enabling support for 3000 users and ensuring efficient data management.
  - **Deployed:** Successfully deployed the website on a Cloud Server, ensuring accessibility and availability to users.
- **ShellStrong Technologies** Remote  
*Cyber Security Analyst Intern* Jan 2022 - July 2022
  - **Analyzed:** Conducted comprehensive analysis of cybersecurity cases, performing digital forensics to identify vulnerabilities and potential threats.
  - **Audited:** Assisted in safety auditing of firms, resulting in a 30% increase in operational efficiency and enhanced security measures.
  - **Implemented:** Successfully implemented ISO 27001 international quality standard for security, ensuring adherence to industry best practices and bolstering overall data protection.

## PROJECTS

- **TASA (Intelligent Virtual Assistant With Face Authentication):** Developed TASA (Trusted Assistant with Secure Access), an intelligent virtual assistant that enhances security by validating users in real-time through face recognition. Ensured data safety, trust, and transparency among users. Achieved over 90% accuracy in user authentication. (May 2023) ([link](#))
- **SAFETY H-SHIELD (Women Safety Wearable Device):** It helps to extricate themselves(women) from their situation by sending an alert message from the device through a button control system, The device has the advantage for the women in danger to receive help quickly, if in the surrounding area 50% faster than current methods. (Sep 2022) ([link](#))

## PUBLICATIONS

- **(Research Paper) Image-Dev: An Advance Text to Image AI Model:** Proposed model adds layer between the text pre-processing layer and the diffusion base model, providing a unique solution for difficult image generation tasks. Skills: Machine Learning, Data pre-processing & Modeling (Dec 2022) ([link](#))
- **(Patent) TASA: Intelligent Virtual Assistant With Face Authentication (202221066577):** Filled and Published under communication category. Tech: Raspberry Pi, HOG, Python, OpenAI API. Skills: Data Modeling, Designing of accurate & scalable algorithm (Nov 2022) ([link](#))

## HONORS AND AWARDS

- Smart India Hackathon (SIH) 2022 Finalist (SIH1019) (Aug 2022)
- I2E (Idea to Innovation) Cluster Level Competition, Selected for Final round from Top 100 team's (Jan 2022)
- First Runner Up at Innovation Thinking & Ideation Competition, Selected for Cluster Level round (Dec 2021)
- Technical Lead at Cyber Threats & Security Measures Awareness Program (Nov 2021)

## EDUCATION

- **Savitribai Phule Pune University** Pune, India  
*Bachelor of Engineering in Computer Science with Honours in Cybersecurity (CGPA 8.67)* 2019 - 2023
- **Savitribai Phule Pune University** Pune, India  
*Diploma in Japanese, Dept. of Foreign Languages SPPU* 2021 - 2022