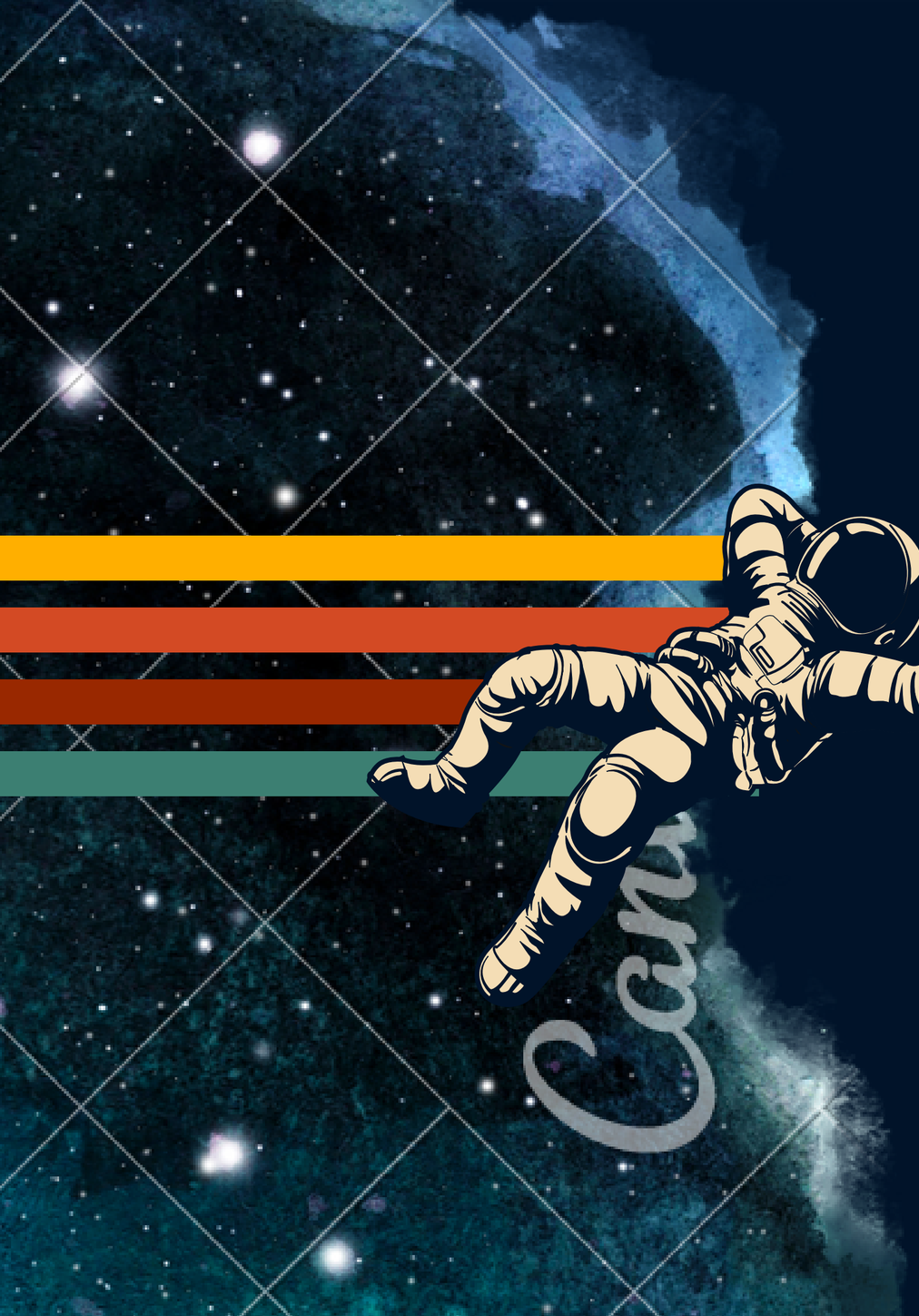

DIGITAL PORTFOLIO

by **Saksham Gupta**

Registration No. - **20BCY10088**

Saksham Gupta

Aspiring Data Analyst

Hello, I’m Saksham Gupta, and I am currently in my final year, pursuing a Bachelor of Technology in Computer Science with a specialisation in Cybersecurity and Digital Forensics at VIT Bhopal University. I’m from Noida. I’ve my extensive experience and achievements in open-source contributions. I've written three research papers. I have a deep passion for the concept that data is the new electricity. Throughout my academic journey, I've dedicated myself to projects within this domain like "Logistic Sorcerer" project, where we developed an AI-based supply chain management system. This project earned me recognition as one of the top 20 participants in the CTS Prodigy Hackathon at our university. As I work extensively with data, my primary concern is its security. In pursuit of this interest, I have also engaged in cybersecurity projects, such as working on an audio-based CAPTCHA system. I’m a competitive spirit on the football field, having experience at the district level.

Links:

https://www.linkedin.com/in/saksham27

https://github.com/sakshamg27

Education

2017

10th

DPS Noida
9.4 CGPA

2019

12th

DPS Mathura Road,
New Delhi
86.8%

2024

BTech CSE with Cybersecurity and Digital Forensics

VIT Bhopal University
8.22 CGPA

Work Experience

01 **The Sparks Foundation**

Web Development and Designing Web Development and Designing

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02 **TwoWaits**

Community Manager

Technical Skills

- SQL
- Java
- OOPS
- C++
- Web Development

Certifications

- Microsoft Certified Security, Compliance, and Identity Fundamentals (9Beh-s4YL)
- Google UX Design Professional by Coursera
- Cybersecurity Fundamentals - IBM
- Introduction to Cybersecurity - Cisco
- HTML5 - University of Michigan by Coursera

NOTABLE PROJECTS

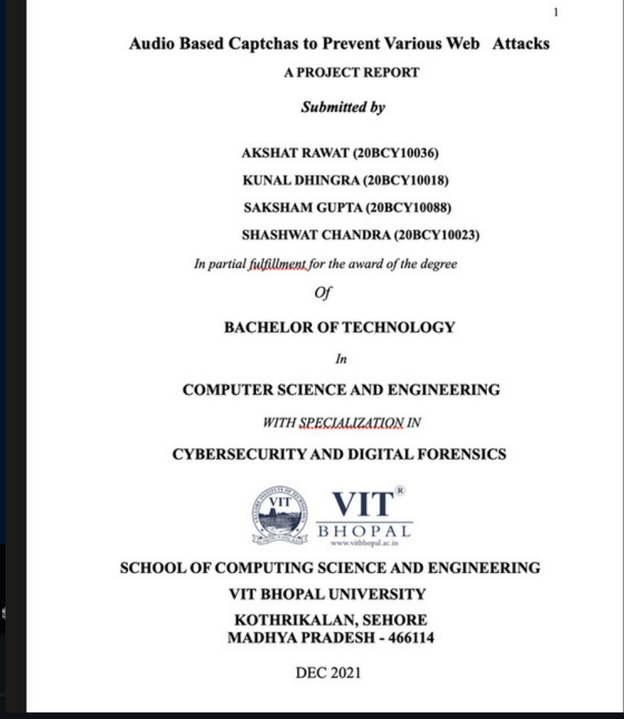
PROJECT 01

Audio Based Captcha

To protect a website from numerous attacks by utilising audio-based captcha, which is more effective than conventional captcha that relies on text to distinguish between humans and bots

Technology: Authentication, Confidentiality, JavaScript, HTML, CSS

Role: Web Developer and Data Management



1

Audio Based Captchas to Prevent Various Web Attacks

A PROJECT REPORT

Submitted by

AKSHAT RAWAT (20BCY10036)

KUNAL DHINGRA (20BCY10018)

SAKSHAM GUPTA (20BCY10088)

SHASHWAT CHANDRA (20BCY10023)

In partial fulfillment for the award of the degree

Of

BACHELOR OF TECHNOLOGY

In

COMPUTER SCIENCE AND ENGINEERING

WITH SPECIALIZATION IN

CYBERSECURITY AND DIGITAL FORENSICS

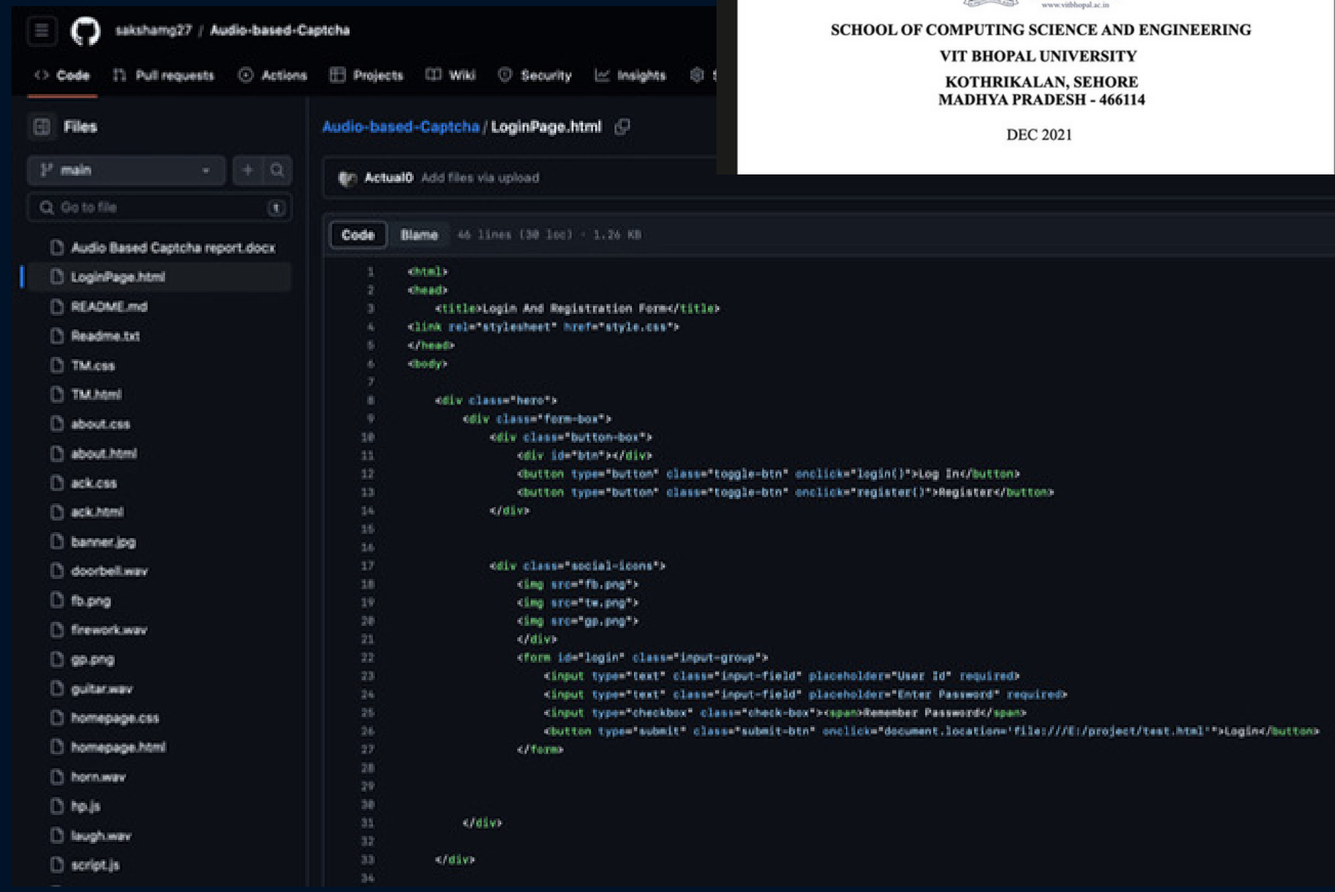
VIT BHOPAL

SCHOOL OF COMPUTING SCIENCE AND ENGINEERING

VIT BHOPAL UNIVERSITY

KOTHRIKALAN, SEHORE
MADHYA PRADESH - 466114

DEC 2021



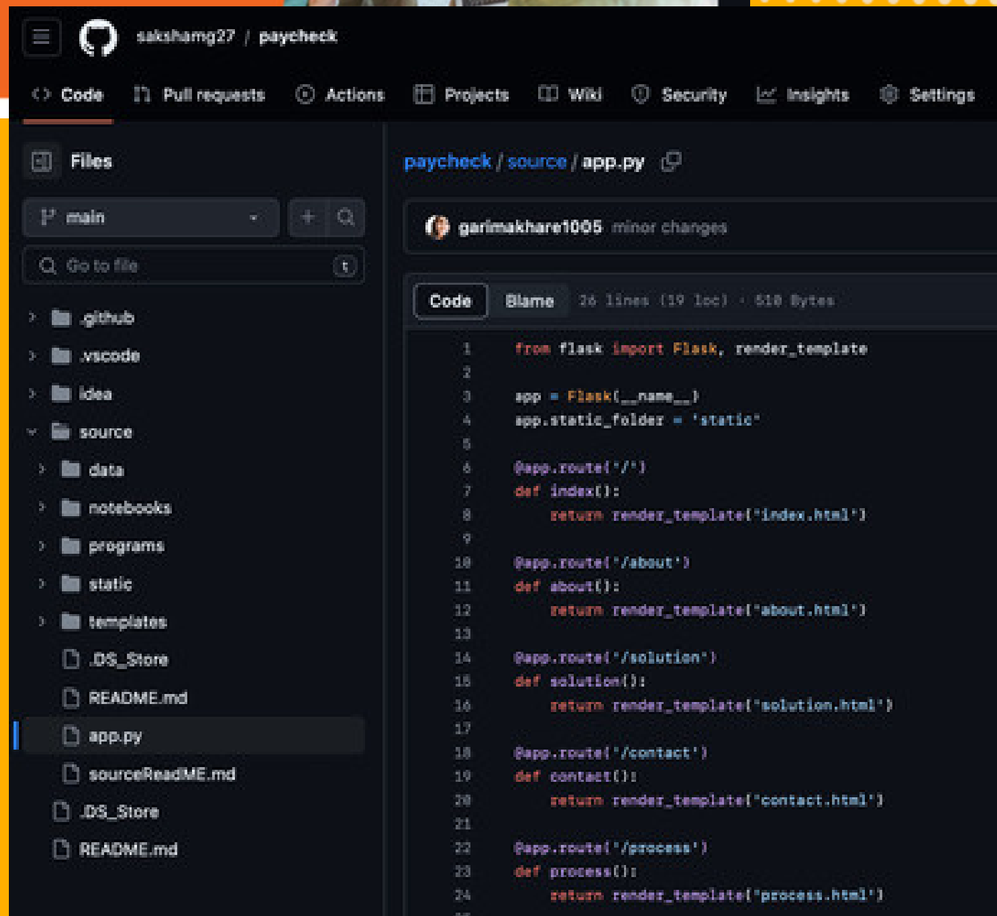
PROJECT 02

Paycheck

This project automates the process of check verification, it performs OCR on the given cheque image to extract the required text and then stores the data on SQL Database

Technology: Integrity, Authentication, Confidentiality, HTML, CSS, Python, Tensorflow, Numpy, SQL

Role: Web Developer & SQL Management



PROJECT 03

Research Papers

- **AI for intelligent Cybersecurity**

The cybersecurity computing process can be made more automated and intelligent than traditional security systems by using security intelligence modelling based on such AI techniques

- **Review on Blockchain Voting Systems**

The study in this paper uses blockchain technology to offer a systematic mapping analysis that compiles the most recent e-voting research.

Review on Blockchain Voting Systems

Ravi Verma[1,a], *SakshamGupta*[1,b], *VedanshuSharma*[1,c], *ShubhiTripathi*[1,d]

April 2023

[1]School of Computing Science Engineering, VIT University, Bhopal, India
[a)]Corresponding author:*ravi.verma@vitbhopal.ac.in*
[b)]*saksham.gupta@vitbhopal.ac.in*
[c)]*vedanshu.sharma2020@vitbhopal.ac.in*
[d)]*shubhi.tripathi2020@vitbhopal.ac.in*

1 Abstract

Creating an electronic voting system that is secure, fair, and private while also being transparent and flexible has been a difficult challenge. This work-in-progress paper explores the use of blockchain technology as a service to develop a distributed electronic voting system. The paper proposes a new e-voting system that overcomes the limitations of existing systems and evaluates various blockchain frameworks for constructing it. The potential of distributed ledger technologies is analyzed through a case study of a national election process, where a blockchain-based application is implemented to enhance security and reduce costs.

Index Terms: blockchain-based electronic voting; blockchain technology; electronic voting; privacy; security; trust; voting.

2 Literature survey

Elections must use lawful, accurate, safe, and convenient electronic voting technology. But potential issues with electronic voting methods might prevent widespread implementation. Due to the benefits of end-to-end verification, blockchain technology was developed to address these problems. It provides decentralised nodes for electronic voting and is utilised to create electronic voting systems. [5]

Kashif Mehboob Khan1 et.al in offered a method for utilising the transparency and cryptographic underpinnings of the blockchain to build an efficient voting process. The suggested system achieves end-to-end verifiability and complies with the key criteria for e-voting schemes. The planned electronic voting system was described in full, along with how it would be implemented using the Multichain platform. The study provided a thorough analysis of the system, effectively demonstrating its ability to produce an end-to-end verifiable e-voting system.

Achievements

1. Certificate of Appreciation in Solveathon by Cognizant
2. Top 20 for ProDigi in University
3. Open Source Contributor - GirlScript Winter of Contributing

Responsibilities

1. Core Member, GeeksforGeeks Club(Technical Club)
2. Core Member, CodeChef Club(Technical Club)
3. Media Head - Team GARVIT

THE SPARKS FOUNDATION

THIS IS PRESENTED TO

SAKSHAM GUPTA

for successful selection as an intern at The Sparks Foundation for function Web Development & Designing.

PRANAV DUBEY
DIRECTOR

08/25/2021
DATE

CODE : NLJERNTDUG
Verify at:
https://truecertificates.com/verification

TWOWAITS
Enabling Learning

Certificate ID : CMI_080906

CERTIFICATE OF APPRECIATION

To whomsoever it may concern

This is to certify that **Saksham Gupta** has completed his internship for 1 month as "*Community Manager Intern*" at Twowaits Technologies Pvt. Ltd. from 23rd Aug 2021 to 22nd Sep 2021.

During the internship he has demonstrated good understanding with a self motivated attitude to learn new things. His performance was good and was able to complete the tasks successfully on time.

I wish him all the best for his future endeavours.

Sincerely,
Achintya Gaumat
Founder & Chief Mentor, Twowaits
Contact : 9456056603

TwoWaits Technologies Pvt. Ltd.
Address : Plot No. 5, Knowledge Park 2 Greater Noida, UP (IN)
Email : community_manager@twowaits.com
Website : www.twowaits.in

SOLVEATHON

Cognizant YuWaah! unicef for every child

CERTIFICATE OF APPRECIATION

THIS IS TO CERTIFY THAT

SAKSHAM GUPTA [CHILLER]

FROM **VIT BHOPAL**

led a meaningful engagement and successful completion of the idea challenge by submitting an innovation proposal as part of SOLVEATHON during September 2021 conducted with the aim to bring out youth innovation in tackling covid-19 problems

Padmasini Dayananda	Abhishek Gupta	Dhuwarakha Sriram
Cognizant	YuWaah	UNICEF

UNIVERSITY OF MICHIGAN

COURSE CERTIFICATE

Aug 20, 2021

Saksham Gupta

has successfully completed

Introduction to HTML5

an online non-credit course authorized by University of Michigan and offered through Coursera

EDUCATION FOR EVERYONE · coursera · COURSE CERTIFICATE

Colleen van Lent, Ph.D.	Charles Severance
Lecturer	Clinical Professor, School of Information
School of Information, University of Michigan	University of Michigan

Verify at: https://coursera.org/verify/6YCBL8VLYPV4

Coursera has confirmed the identity of this individual and their participation in the course.

Microsoft Certified

Security, Compliance, and Identity Fundamentals

Saksham Gupta

has successfully completed the requirements of

Security, Compliance, and Identity Fundamentals

Date Issued: June 2, 2023

Microsoft

Satya Nadella
Chief Executive Officer

verify.certiport.com: 9Beh-s4YL

7 Courses

Foundations of User Experience (UX) Design

Start the UX Design Process: Empathize, Define, and Ideate

Build Wireframes and Low-Fidelity Prototypes

Conduct UX Research and Test Early Concepts

Create High-Fidelity Designs and Prototypes in Figma

Build Dynamic User Interfaces (UI) for Websites

Design a User Experience for Social Good & Prepare for Jobs

Jan 25, 2023

Saksham Gupta

has successfully completed the online, non-credit Professional Certificate

Google UX Design

Those who earn the Google UX Design Professional Certificate have completed seven courses, developed by Google, that include hands-on, practice-based assessments and are designed to prepare them for introductory-level roles in UX design. They can complete the design process from beginning to end: empathizing with users, defining their pain points, coming up with ideas for design solutions, creating wireframes and prototypes, and testing designs to get feedback.

Amanda Brophy
Global Director of Google Career Certificates

Verify this certificate at:
https://coursera.org/verify/professional-cert/NE2ZLAGYKJMF

THANK YOU