

Pratik Goswami

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EDUCATION	UNIVERSITY OF MICHIGAN College of Literature, Science, and the Arts <i>B.S. in Computer Science '23</i> <ul style="list-style-type: none">• GPA: 2.71/4.0• Dean's List fall 2017 for maintaining 3.5+ GPA	Ann Arbor, Michigan
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TECHNICAL SKILLS	Languages: C/C++, MATLAB, Python, HTML, JavaScript, Bash / ZSH, SQL Technologies & Tools: AWS Cloud Services (EC2), Bootstrap, Flask, Git, Visual Studio, Linux Relevant Coursework: Computer Security, Web Systems & Databases, User Interface Development, Computer Organization, Data Structures & Algorithms, Database Management Systems, Programming Paradigms
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PROJECT EXPERIENCE

Insta485

- Implemented an Instagram-like web application using Flask, utilizing the react framework to develop the front-end using given design specifications and python to create RESTful services for efficient data exchange between the client and back-end server.

Ask485

- Developed a search engine through information retrieval processes like text analysis (tf-idf), link analysis (PageRank), and parallel data processing with Hadoop MapReduce.

SocialDB

- Designed and implemented the back-end of a social-media site utilizing proper database design principles and Oracle RDBMS and utilized Java Database Connectivity to extract data into containers for analysis.

Dispose-All

- Designed, created, and tested a web application in a team setting utilizing effective UI/UX design principles, the Vue.js framework, and a public google sheets API to turn a google sheet into a database service.

uC Semantic Analyzer

- Developed a basic compiler in Python for a C like language named uC using OOP principles such as inheritance, polymorphism, and method overriding.

Spotlight

- Developed a web application using the tool webflow to create a site for students to discover free university resources.

Checkout Bot

- Designed, developed, and tested a checkout bot that checks-out limited technological and fashion products through JavaScript utilizing the Puppeteer framework to control DOM tree objects.

Volunteer Work

2018 – 2020

Delta Tau Delta - Information Chair

Responsible for communicating with potential future members and planning community service and fundraising events around local events on and off campus in Ann Arbor.

2016 – 2018

Bichitra Org – Youth President

Managed a diverse group of individuals and used marketing strategies to create awareness for cultural events, and participated in plays and choreographed cultural dances locally and at The North American Bengali Conference.