Kushagra Gupta

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EDUCATION

Master of Science in Computer Science, The University of Texas at Dallas, USA **May 2021**
Related Coursework: Algorithm Analysis and Data Structures, Operating System Concepts, Discrete Structures, Computer Architecture.
Bachelor of Technology, Indian Maritime University, Visakhapatnam, India. *CGPA 8.82/10* **June 2019**

SKILLSET

Backend & Database Java, JSP, Servlets, C, MySQL, MongoDB
Web Technologies Angular.js, React.js, Express.js, Node.js, JavaScript, jQuery, AJAX, JSON, Bootstrap, HTML5, CSS3
Servers/OS/Tools Apache, Linux, Git, Eclipse, VS Code, Advanced REST Client

PERSONAL PROJECTS   Fall 2019

Task Manager Enterprise -
- A web application in which user can signup/login and create/modify their own to-do list.
- The user can share the to-do list within a group/co-workers and can start a chat room for the group to discuss the planned tasks. Finished tasks can be archived or dumped. Implementing Audio/ Video Conferencing feature.

Technologies/Tools: Angular.js, Express.js, Node.js, MongoDB, JavaScript, Bootstrap, HTML, CSS, VS Code, Advanced REST Client

Tweet-it -
- A web application developed using JavaScript single page application framework Angular.js.
- Users can signup/login and interact with other users through messages in a public environment.

Technologies/Tools: Angular.js, Express.js, Node.js, MongoDB, JavaScript, Bootstrap, HTML, CSS, VS Code, Advanced REST Client

Portfolio Website on React -
- React based portfolio website using create-react-app and React Router v4.
- Sub-sections include *Blog, Introduction, Projects, Resume,* & *Contact details.*

Technologies/Tools: React.js, Node.js, JavaScript, Bootstrap, HTML, CSS, VS Code

Student Catalog -
- A web application to store student's information- *ID, First and Last Name, e-Mail, Mobile, Courses & GPA.*
- *Admin* can *Access, Modify and Remove* a student's record. The database is implemented in MySQL.
- Each record can be accessed using *ID,* unique to each student. Admin can retrieve all records sorted *GPA* wise.
- *Login* authentication for Admin.

Technologies/Tools: Java, JSP, Servlets, MySQL, Bootstrap, Tomcat, Eclipse

ACADEMIC PROJECTS   Fall 2019

Unix Shell -
Built a Unix Shell - '*dash'* in C incorporating features like *reading from a batch file, output redirection to a file, running parallel commands, and commands with multiple arguments.* It offers all the basic functionality like the Unix shell.

File System Checker -
Built a file system consistency checker in C for xv6 operating system. The program takes file system image as argument and runs multiple checks to ensure that on-disk bitmap and inode structures are consistent. If not, it displays the error.

EXTRA-CURRICULAR ACTIVITIES

- **Member** of *ACM, Artificial Intelligence Society, UX Club,* and *Grads of CS* at UT Dallas, Fall 2019.
- **Co-Editor** at Learn Ship Design, a student initiative at Indian Maritime University, Visakhapatnam, 2015-2019.
- **Co-Founder** of Technical Magazine *'Navisieger'.* Link: *https://issuu.com/learnshipdesign/docs/final_magazine_2*
- **Team Coordinator** at college annual festival *'Shrestha'* and TEDx IMU, Visakhapatnam.
- **Volunteer** at *'Social Service Fair 2018'* hosted by United Way in Visakhapatnam, 2018.
- **'240 hours of Social Service'** as a NSS Candidate (National Service Scheme, Govt. of India), 2015-2017.
- **'Best in Art in Senior Section'** at City Montessori School, Indira Nagar, Lucknow, 2011.
- 2nd in *'Indo-Swiss Painting Contest'* organized by the Embassy of Switzerland in India, 2009.
- 3rd in *'Sketch a Scientoon Contest'* organized by Regional Science City, Lucknow, 2009.
- **'Best Drawing Artist of Lucknow'** by Devansh Foundation, Lucknow, 2007.