CURRICULUM VITAE

CHEENA SHARMA

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Career Objectives
To enhance my skills with the latest technologies with dedication which will help me to explore and enrich my potentials in order to contribute to the Organization goals effectively.

Summary
➢ Hard-working, detail-oriented post-graduate student in computer science with ability to articulate complex subject matter.   ➢ Excellent interpersonal skills, willing to help, listen and learn.

Key Areas
➢ DBMS   ➢ Operating Systems   ➢ C/C++   ➢ Internet of Things   ➢ Data Structures

Technical Expertise
Operating Systems   : Linux , Windows   Languages   :   Core Java, C, C++, C#   Simulators   :   Cooja Network simulator, Netsim   Databases   :   Oracle, MySQL

Academics

Degree	University / College	Year of Passing	Marks/CGPA
M.Tech. CSE	Shri Mata Vaishno Devi University, Katra	2017	8.44(CGPA)
B.E. CSE	University of Jammu, Jammu	2015	73%
H.S.C	Happy Model Hr. Sec. School, Udhampur	2011	89%
S.S.C	Happy Model Hr. Sec. School, Udhampur	2009	91%

Projects

Project Name	Details
Enhancing Security of IoT healthcare using Secure CoAP (M.Tech)	This work implements public key algorithm ECC and RSA for ensuring confidentiality, integrity in sensor network and authorization between patient nodes and client. The work also compares these algorithms on parameters: comparable no of bits, key generation time, signature generation and verification time, average power consumption, radio duty cycle, energy consumption to check their compatibility in constrained environments.
Mobile Desk Manager (B.E.)	Mobile Desk Manager is an android application developed using ADT. Android is a Linux-based operating system developed for smart phones or tablet computers. This android application has the following features such as mobile profile changer via SMS, Time Based Silent, call Forwarding via SMS, contact retrieval via SMS, Location Tracer Via SMS and additional Features like (Voice Feed System , Scientific Calculator)

Certification/Participation

Name	Course/Participation	Year
Aryabhatta college of engineering & Research Centre, Ajmer India.	Presented paper International Conference on Recent Advancements in Computer, Communication and Computational Sciences (RACCCS- 2017)	2017
Amrapali Institute of Technology and Sciences, Haldwani, Uttrakhand	Presented paper in National Conference on Emerging Trends in Science & Technology	2017
SMVD University	Participated in International Conference on Recent Trends in Engineering and Technology	2016
Jammu University	Participated in 10th JK Science Congress	2015
Microsoft IT Academy, Jammu	C# Development	2014
ATS Learning Solutions	Industrial Training on Microsoft Visual Studio and Project Development	2014

Research Papers:

Paper Title	Conference	Publication
Survey on Smart Healthcare: An Application of IoT	National Conference on Emerging Trends in Science & Technology	International Journal on Emerging Technologies (Special Issue NCETST-2017) 8(1):330-333(2017)
Performance Analysis of ECC and RSA for Securing CoAP- based Remote Health Monitoring System	International Conference on Recent Advancements in Computer, Communication and Computational Sciences (RACCCS- 2017)	Springer book series- "Advances in Intelligent Systems and Computing" Online ISBN 978-981-10-7386-1
Communication Protocol Stack for Constrained IoT Systems	2018 3rd International Conference On Internet of Things: Smart Innovation and Usages (IoT-SIU)	INSPEC Accession Number: **18245469** DOI: **10.1109/IoT-SIU.2018.8519904** Publisher: **IEEE**

Extramural activities / Achievements

- Awarded with The Bharat Scouts & Guide- Rajya Puruskar in 2010.
- Paper presentation at National Conference in Uttrakhand, 2017.
- Actively participated in the Technical Fest Aarambh 2014 & 2015 at MBS Jammu

DECLARATION:

I hereby declare that the details furnished above are true to the best of my knowledge and belief.

Cheena Sharma