

CHAITANYA KRISHNA KOTHA
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CAREER OBJECTIVE

I look forward to explore new areas of technology, which would provide a way to learn, apply, and enhance my skills and lay a strong path for my successful career growth and provide a valuable contribution to the ongoing success of the organization.

ACADEMIC PROFILE

- **ROCHESTER INSTITUTE OF TECHNOLOGY, Rochester, NY:**
Masters in Bioinformatics, August 2012 – Present. (GPA: 3.7)
- **GITAM UNIVERSITY, Andhra Pradesh, India:**
Bachelors in Biotechnology, July 2008- April 2012. (Percentage: 81.3%)
 - Completed an academic project on “Strategies for enhanced production of Thiamine using *Bacillus subtilis*.”
- **N.V.R Jr. COLLEGE, Andhra Pradesh, India:**
Major: Biology, Physics and Chemistry, June 2006 – April 2008. (Percentage: 89.5%)
- **BHASHYAM HIGH SCHOOL, Andhra Pradesh, India:**
10th standard, April 2006. (Percentage: 92.16%)

TECHNICAL TRAINING

- **Shantha Biotechnics Ltd, Andhra Pradesh, India:** Completed a mini project in “Quality Control Department” on “Testing of Hepatitis- B Vaccine”, 9th May 2011 to 10th June 2011
- **Sartorius, Bangalore, India:** Learned about the construction of industrial scale fermentors.
- **Indo American Hybrid Seeds, Bangalore, India:** Learned about the production and marketing of hybrid seeds of all type of plants.
- **Tata Global Beverages Ltd, India:** Learned about production of different kinds of tea powders and growth of tea plantations.

EMPLOYMENT

- **RITZ Sports Zone, RIT, Rochester, NY:**
Student worker, August 2012 – Present
 - Communicate with people visiting the place and help them with their needs.
 - Managing the game room and organizing tailgate parties.

- **Cafe and Market at Crossroads, RIT, Rochester, NY:**
Student worker, August 2012 – December 2012.
 - Communicate with customers visiting the place and help them with their needs.
 - Providing Starbucks coffee to the customers.
- **SourceNXT, Vizag, Andhra Pradesh, India:**
Event Manager, April 2011 – August 2012.
 - Organizing workshops and seminars for the company.
 - Assist the marketing team to promote SourceNXT at all locations in India.

PRESENTATIONS

- **Chaitanya. K. K. & Sameer. T.** “Soliris – Its use and alternative methods”. Presented in the event Problems – Dans – Bio and was awarded 3rd prize at National Institute of Technology, Warangal, Andhra Pradesh, India.
- **Chaitanya. K. K.** “Studying the structural model of Thiamine Pyrophospho Kinase (TPK) in economically important crop plants.” Presented at GITAM University, Andhra Pradesh, India.
- **Chaitanya. K. K.** “Studies on phenylpyruvic oligophrenia: position of metabolic error.” Presented at Rochester Institute of Technology, Rochester, NY.
- **Chaitanya. K. K.** “Indications of linkage and association of Gilles de la Tourette syndrome in two independent family samples: 17q25 is a putative susceptibility region.” Presented at Rochester Institute of Technology, Rochester, NY.

PAPERS

- “Marfan Syndrome.” Chaitanya. K. K. Reference paper submitted towards academic credit, Rochester Institute of Technology, Rochester, NY.
- “Myotonic Dystrophy.” Chaitanya. K. K. Reference paper submitted towards academic credit, Rochester Institute of Technology, Rochester, NY.
- “Data Warehouses.” Chaitanya. K. K. Reference paper submitted towards academic credit, Rochester Institute of Technology, Rochester, NY.

CONFERENCES AND WORKSHOPS

- Participated in “Bioinformatics workshop” organized by IBI BIO SOLUTIONS at National Institute of Technology, Warangal, Andhra Pradesh, India.
- Attended “International Conference on Stem Cells and Cancer (ICSCC-2011)” at International Institute of Information Technology, Pune, India.

AFFILIATIONS

- Member of Bioinformatics Journal Club, Rochester Institute of Technology, Rochester, NY.
- Member of National Service Scheme (NSS), India. Participated in “Medical camp and clean and green program” organized by National Service Scheme (NSS) Wing, India.
- Member of O.Y.S.T.E.R (Organization by Youth for Social Transformation and Environmental Recoup), India, a Non-Governmental Organization (NGO), India.

SKILLS

TECHNICAL PROFICIENCIES:

- Platforms : Windows 2000/XP/Vista/7/8, UNIX, Ubuntu, Mac OS.
- Programming Languages: C, C++, Advanced Java, Python, XML, SQL, MATLAB.
- Database Management: Weka, MySQL.
- Bioinformatics tools: Mege 5.0, Cn3D, RasMol, ClustalW, BLAST, MUSCLE, T-Coffee, WebPrank, EsysPred3D, SWISS – MODEL, CPHmodels, Bhageerath – H.
- Basic tools: Microsoft Office, Adobe tools, Minitab.

AREAS OF EXPERTISE:

- Bioinformatics: Developing programs and performing analysis of data.
- Computer Science: Java programming.
- Databases: Database Management, Data Modeling and Implementation, Data Mining.

LAB EXPERIENCE: UNPAID

Programming:

- Developed programs for pairwise alignment, multiple sequence alignment, BLAST, fragment assembly, UPGMA trees.

Biology:

- Usage of Molecular biology, Biochemistry, cell biology and Microbiology equipment and analysis of the results.
- Extraction of DNA from plant cells and RNA from yeast.
- Culturing of microorganisms and plants in vitro.
- Separation of proteins using SDS PAGE.
- Separation of biomolecules using HPLC.
- Production of grape wine using fermentor.
- Extraction of impurities from Hepatitis – B vaccine sample.
- Testing the quality of water used for production of Hepatitis – B vaccine.

REFERENCES (Available upon request)